

Exception Handling Programs



Package Explorer

- books
- bootdevtool [boot]
- bootjpaexample
- bootrestbook
- corejavaprograms
 - JRE System Library [JavaSE-17]
 - src
 - com.corejavaprograms
 - ExceptionHandling.java
 - nestedIfExample.java
- jwt-username-password-master
- Servers

```
1 package com.corejavaprograms;
2
3 public class ExceptionHandling {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         try {
8             int a=100,b=0,c;//Throws Exception
9             c=a/b;
10            System.out.println(c);
11        }catch(Exception e){
12            System.out.println(e);
13            System.out.println("You cannot divide by zero..Try any number");
14
15        }
16        // String name=null;
17        // System.out.println(name.length());
18    }
19
20 }
21
```

Outline

- com.corejavaprograms
 - ExceptionHandling
 - main(String[]): void

Boot Dashboard

Type tags, projects, or working set names to match (incl. * and ?)

- local

Problems @ Javadoc Declaration Console

```
<terminated> ExceptionHandling [Java Application] E:\sts-4.14.1.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe (Jan 25, 2023, 3:00 PM)
java.lang.ArithmeticException: / by zero
You cannot divide by zero..Try any number
```



Package Explorer

- books
- bootdevtool [boot]
- bootjpaexample
- bootrestbook
- corejavaprograms
 - JRE System Library [JavaSE-17]
 - src
 - com.corejavaprograms
 - ExceptionHandling.java
 - nestedIfExample.java
- jwt-username-password-master
- Servers

```
corejavaprograms > src > com.corejavaprograms > ExceptionHandling > main(String[]) : void
1 package com.corejavaprograms;
2
3 import java.io.FileInputStream;
4
5 public class ExceptionHandling {
6
7     public static void main(String[] args) {
8         try {
9             FileInputStream fis= new FileInputStream("d:/abc.txt");
10        }catch(Exception e) {
11            System.out.println(e);
12            System.out.println("This is to check that our program is not Abnormally terminated");
13        }
14    }
15
16 }
17
```

Outline

- com.corejavaprograms
 - ExceptionHandling
 - main(String[]) : void

Boot Dashboard

Type tags, projects, or working set names to match (incl. * an

- local

Problems @ Javadoc Declaration Console

```
<terminated> ExceptionHandling [Java Application] E:\sts-4.14.1.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe (Jan 25, 2023, 4
java.io.FileNotFoundException: d:\abc.txt (The system cannot find the path specified)
This is to check that our program is not Abnormally terminated
```

If there is No Exception in the Program then
What is the Flow of the Program and If
there is Exception in the Program then
what is the Flow of the Program: =



Package Explorer

- books
- bootdevtool [boot]
- bootjpaexample
- bootrestbook
- corejavaprograms
 - JRE System Library [JavaSE-17]
 - src
 - com.corejavaprograms
 - ExceptionHandling.java
 - nestedIfExample.java
- jwt-username-password-master
- Servers

```
corejavaprograms > src > com.corejavaprograms > ExceptionHandling > main(String[]) : void
1 package com.corejavaprograms;
2
3
4
5 public class ExceptionHandling {
6
7     public static void main(String[] args) {
8         try {
9             System.out.println("1");
10        int a=100,b=2,c;
11        System.out.println("2");
12        System.out.println("3");
13        System.out.println("4");
14        c=a/b;
15        System.out.println("5");
16        System.out.println("6");
17        }catch(Exception e) {
18            System.out.println(e);
19            System.out.println("7");
20        }
21        System.out.println("My Name is Neeraj");
22    }
23
24 }
25
```

Outline

- com.corejavaprograms
 - ExceptionHandling
 - main(String[]) : void

Boot Dashboard



Type tags, projects, or working set names to match (incl. * and ?)

local

Problems @ Javadoc Declaration Console

```
<terminated> ExceptionHandling [Java Application] E:\sts-4.14.1.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe (Jan 25, 2023, 4
1
2
3
4
5
6
My Name is Neeraj
```



Package Explorer

- books
- bootdevtool [boot]
- bootjpaexample
- bootrestbook
- corejavaprograms
 - JRE System Library [JavaSE-17]
 - src
 - com.corejavaprograms
 - ExceptionHandling.java
 - nestedIfExample.java
- jwt-username-password-master
- Servers

```
corejavaprograms > src > com.corejavaprograms > ExceptionHandling > main(String[]) : void
1 package com.corejavaprograms;
2 public class ExceptionHandling {
3
4     public static void main(String[] args) {
5         try {
6             System.out.println("1");
7         } catch (Exception e) {
8             System.out.println(e);
9             System.out.println("7");
10        }
11        System.out.println("My Name is Neeraj");
12    }
13 }
14
15
16
17
18
19
20
21
22
```

Outline

- com.corejavaprograms
 - ExceptionHandling
 - main(String[]) : void

Boot Dashboard

Type tags, projects, or working set names to match (incl. * an

- local

Problems @ Javadoc Declaration Console

<terminated> ExceptionHandling [Java Application] E:\sts-4.14.1.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe (Jan 25, 2023, 4

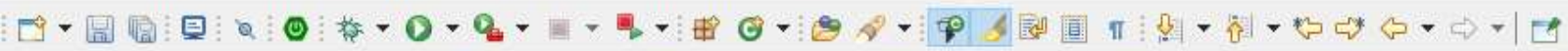
```
1
2
3
4
5 java.lang.ArithmeticException: / by zero
6
7
8 My Name is Neeraj
```

Writable

Smart Insert

1 : 30 : 29





Package Explorer

- books
- bootdevtool [boot]
- bootjpaexample
- bootrestbook
- corejavaprograms
 - JRE System Library [JavaSE-17]
 - src
 - com.corejavaprograms
 - ExceptionHandling.java
 - nestedIfExample.java
- jwt-username-password-master
- Servers

```

corejavaprograms > src > com.corejavaprograms > ExceptionHandling > main(String[]) : void
1 package com.corejavaprograms;
2 public class ExceptionHandling {
3
4     public static void main(String[] args) {
5         try {
6             System.out.println("1");
7         int a=100,b=0,c;
8         System.out.println("2");
9         System.out.println("3");
10        System.out.println("4");
11        c=a/b;
12        System.out.println(0);
13        System.out.println("5");
14        System.out.println("6");
15        }catch(Exception e) {
16            System.out.println(e);
17            System.out.println("7");
18        }
19        System.out.println("My Name is Neeraj");
20    }
21
22 }

```

Outline

- com.corejavaprograms
 - ExceptionHandling
 - main(String[]) : void

Boot Dashboard

Type tags, projects, or working set names to match (incl. * an

- local

Problems @ Javadoc Declaration Console

```

<terminated> ExceptionHandling [Java Application] E:\sts-4.14.1.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe (Jan 25, 2023, 4
1
2
3
4
5 java.lang.ArithmeticException: / by zero
6
7
8 My Name is Neeraj

```

Methods To Print Exceptions:-

- 1) By `e.printStackTrace();`
- 2) `System.out.println(e)` or
`System.out.println(e.toString());`
- 3) `System.out.println(e.getMessage());`



Package Explorer

- books
- bootdevtool [boot]
- bootjpaexample
- bootrestbook
- corejavaprograms
 - JRE System Library [JavaSE-17]
 - src
 - com.corejavaprograms
 - ExceptionHandling.java
 - nestedIfExample.java
- jwt-username-password-master
- Servers

```
corejavaprograms > src > com.corejavaprograms > ExceptionHandling > main(String[]) : void
2 public class ExceptionHandling {
3
4     public static void main(String[] args) {
5         try {
6             System.out.println("1");
7         int a=100,b=0,c;
8         System.out.println("2");
9         System.out.println("3");
10        System.out.println("4");
11        c=a/b;
12        System.out.println(c);
13        System.out.println("5");
14        System.out.println("6");
15        }catch(Exception e) {
16            e.printStackTrace();
17
18
19        }
20        System.out.println("My Name is Neeraj");
21    }
22
23 }
```

Outline

- com.corejavaprograms
 - ExceptionHandling
 - main(String[]) : void

Boot Dashboard

Type tags, projects, or working set names to match (incl. * an

- local

Problems @ Javadoc Declaration Console

```
<terminated> ExceptionHandling [Java Application] E:\sts-4.14.1.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe (Jan 25, 2023, 5:11:24 PM)
1
2
3
4
java.lang.ArithmeticException: / by zero
    at com.corejavaprograms.ExceptionHandling.main(ExceptionHandling.java:11)
My Name is Neeraj
```



Package Explorer

- books
- bootdevtool [boot]
- bootjpaexample
- bootrestbook
- corejavaprograms
 - JRE System Library [JavaSE-17]
 - src
 - com.corejavaprograms
 - ExceptionHandling.java
 - nestedIfExample.java
- jwt-username-password-master
- Servers

```
corejavaprograms > src > com.corejavaprograms > ExceptionHandling > main(String[]) : void
2 public class ExceptionHandling {
3
4     public static void main(String[] args) {
5         try {
6             System.out.println("1");
7         }
8         int a=100,b=0,c;
9         System.out.println("2");
10        System.out.println("3");
11        System.out.println("4");
12        c=a/b;
13        System.out.println(c);
14        System.out.println("5");
15        System.out.println("6");
16        }catch(Exception e) {
17            System.out.println(e);
18        }
19    }
20    System.out.println("My Name is Neeraj");
21 }
22
23 }
```

Outline

- com.corejavaprograms
 - ExceptionHandling
 - main(String[]) : void

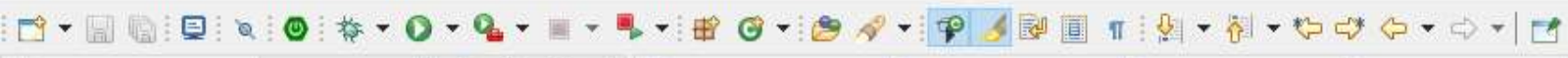
Boot Dashboard

Type tags, projects, or working set names to match (incl. * an

- local

Problems @ Javadoc Declaration Console

```
<terminated> ExceptionHandling [Java Application] E:\sts-4.14.1.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe (Jan 25, 2023, 5:55 PM)
1
2
3
4
java.lang.ArithmeticException: / by zero
My Name is Neeraj
```

Package Explorer

- books
- bootdevtool [boot]
- bootjpaexample
- bootrestbook
- corejavaprograms
 - JRE System Library [JavaSE-17]
 - src
 - com.corejavaprograms
 - ExceptionHandling.java
 - nestedIfExample.java
- jwt-username-password-master
- Servers

```

corejavaprograms > src > com.corejavaprograms > ExceptionHandling > main(String[]) : void
2 public class ExceptionHandling {
3
4     public static void main(String[] args) {
5         try {
6             System.out.println("1");
7         }
8         int a=100,b=0,c;
9         System.out.println("2");
10        System.out.println("3");
11        System.out.println("4");
12        c=a/b;
13        System.out.println(c);
14        System.out.println("5");
15        System.out.println("6");
16        }catch(Exception e) {
17            System.out.println(e.toString());
18        }
19    }
20    System.out.println("My Name is Neeraj");
21 }
22 }
23 }

```

Outline

- com.corejavaprograms
 - ExceptionHandling
 - main(String[]) : void

Boot Dashboard

Type tags, projects, or working set names to match (incl. * an

- local

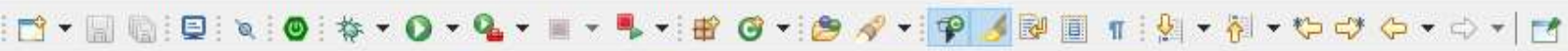
Problems @ Javadoc Declaration Console

<terminated> ExceptionHandling [Java Application] E:\sts-4.14.1.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe (Jan 25, 2023, 5:55 PM)

```

1
2
3
4
java.lang.ArithmeticException: / by zero
My Name is Neeraj

```



Package Explorer

- books
- bootdevtool [boot]
- bootjpaexample
- bootrestbook
- corejavaprograms
 - JRE System Library [JavaSE-17]
 - src
 - com.corejavaprograms
 - ExceptionHandling.java
 - nestedIfExample.java
- jwt-username-password-master
- Servers

```
corejavaprograms > src > com.corejavaprograms > ExceptionHandling > main(String[]) : void
2 public class ExceptionHandling {
3
4     public static void main(String[] args) {
5         try {
6             System.out.println("1");
7         }
8         int a=100,b=0,c;
9         System.out.println("2");
10        System.out.println("3");
11        System.out.println("4");
12        c=a/b;
13        System.out.println(c);
14        System.out.println("5");
15        System.out.println("6");
16        }catch(Exception e) {
17            System.out.println(e.getMessage());
18        }
19    }
20    System.out.println("My Name is Neeraj");
21 }
22 }
23 }
```

Outline

- com.corejavaprograms
 - ExceptionHandling
 - main(String[]) : void

Boot Dashboard

Type tags, projects, or working set names to match (incl. * an

- local

Problems @ Javadoc Declaration Console

```
<terminated> ExceptionHandling [Java Application] E:\sts-4.14.1.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe (Jan 25, 2023, 5:56 PM)
1
2
3
4
/ by zero
My Name is Neeraj
```