

# Object-Oriented Programming with C++

- Introduction to C++, Data Types
- Different types of Operators
- Looping construct – different types
- Array in - Single and Multidimensional
- OOPS using C++, Class & Object examples
- Class & Object- class members & their visibility
- Defining member functions inside the class and outside the class
- Constructor & Destructor- features, types, copy constructor, examples
- Inheritance in C++ with examples
  - ✓ Single
  - ✓ Multilevel
  - ✓ Hierarchical
  - ✓ Multiple
- Containership in C++ with examples
- Polymorphism in C++ with examples
  - ✓ Function Overloading
  - ✓ Operator overloading
- Inline function, friend functions & friend class with example
- File handling in C++ with examples
- STL in C++ with examples

