PROGRAM-30

Merging

```cpp
#include<iostream>

#include<conio.h>

using namespace std;

int main()

{cout<<"\n\n********************************Program 30 ***********************************";

int arr1[50], arr2[50], size1, size2, size, i, k, merge[100];

cout<<"\n\nEnter Array 1 Size : ";

cin>>size1;

cout<<"\nEnter Array 1 Elements : ";

for(i=0; i<size1; i++)

{

cin>>arr1[i];

}

cout<<"\nEnter Array 2 Size : ";

cin>>size2;

cout<<"\nEnter Array 2 Elements : ";
```

```cpp
for(i=0; i<size2; i++)
{
cin>>arr2[i];
}
for(i=0; i<size1; i++)
{
merge[i]=arr1[i];
}
size=size1+size2;
for(i=0, k=size1; k<size && i<size2; i++, k++)
{
merge[k]=arr2[i];
}
cout<<"\nNow the new array after merging is :\n";
for(i=0; i<size; i++)
{
cout<<merge[i]<<" ";
}
getch();
}
```