

(Lecture  
5)Program To print numbers using  
Array, Classes and Objects.

```
#include <iostream>
#include <conio.h>
#include <string>
using namespace std;
class data
{
    int list[10];
public:
    void input ( )
    {
        for (int i=0 ; i < 10 ; i++)
        {
            cout << "Enter a number : ";
            cin >> list[i];
        }
    }
    void Display ( )
    {
        for (int i=0 ; i < 10 ; i++)
        {
            cout << list[i] << endl;
        }
    }
}
```

```
int main ( )  
{  
    class data obj;  
    Obj input ( );  
    Obj input ( );  
    return 0;  
}
```

## Constructors in Object Oriented programming

- Constructor is a member function of class.
- It has no return type.
- It has same name as class.
- It may be parameterized or non-parameterized.
- There may be many constructors in a single class.
- It is called automatically as we create object of class.

Program To display list using  
Constructor, Class and Object.

```
#include <iostream>
#include <conio.h>
#include <string>
using namespace std;

class data
{
    int list[15], size;
public:
    data ( )
    {
        cout << "Enter the size of list = ";
        cin >> size;
        list = new int [size];
    }

    void Display ( )
    {
        for (int i=0; i<15; i++)
        {
            cout << list[i] << endl;
        }
    }
}
```

```
int main ( )  
{  
    class data obj;  
    Objec. input ( );  
    Obj. Display ( );  
    return 0 ;  
}
```