**Lecture No.-12**

**Object Oriented Programming I (C++)**

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| /\*  No.6: Introduction of constructors.  Created By GSC,CSE, IIUC.  Date: 15-02-15  Time: 7:26:01 pm  Facebook: www.facebook.com/gsc.cse  E-mail: sarwar.pustcse1@gmail.com  Skype: sarwar\_pust\_cse  Mobile: 01861500457  \*/  #include<iostream>  using namespace std;  class math// math is a class.  {  int m, n; // private by default  public:  math(void);// constructor 1  math(int a, int b) {m=a, n=b;} // parameterized constructor 2  void display()  {  cout<<"m = "<<m<<"\n";  cout<<"n = "<<n<<"\n";  }  };  math :: math(void)  {  m=n=0;  }  /\* .........The main () function........... \*/  int main()  {  math A; // implicit call constructor 1  //math A=math();// explicit call constructor 1  math B=math(4,5);// explicit call constructor 2  math C(7,8);// implicit call constructor 2  //math C=math(4,5);  int x,y;  cout<<"Object D\n";  cout<<"Enter two integer values: ";  cin>>x>>y;  math D(x,y);// implicit call constructor 2  //-------------------------------------------//  cout<<"Object A: \n";  A.display();  cout<<"Object B: \n";  B.display();  cout<<"Object C: \n";  C.display();  cout<<"Object D: \n";  D.display();  return 0;  } |

**Program Related Questions:**

1. Why need constructor function? [B.Page-145]
2. Write the properties of constructor function. [B.Page-146]
3. What are the benefits of constructor function over ordinary member functions of a class?
4. It is possible to use a constructor function as a friend function?