

Constructor

Q1- What do you understand by constructor?

Ans1- Constructor- constructor is the same as class name which is not have return type. You can use constructor in place of member function. When object is created constructor called automatically. If in case user don't specify the constructor, c++ compiler create default constructor. Another feature of constructor is declared within parenthesis ().

Q2- Wrp to calculate the area of shape.

Ans2- following is the program.

```
#include <iostream>

using namespace std;

class shape
{
    private:
        int length;
        intwidth;
    public:
        shape(int len, intwid)
        {
            length = len;
            width = wid;
        }

        Int Area()
```

```
{  
    return length * width;  
}  
};  
  
int main()  
{  
    shape Shape1(12,24);  
    shapeShape2(10,20);  
    cout << "Area of Shape 1: " <<shape1.Area() << endl;  
    cout << "Area of Shape 2: " <<shape2.Area();  
    return 0;  
}
```