

# Web Engineering

## Quiz 01

97/100

Marks: 100

Name:

Time: 20 minutes

Roll #: BSEFI9M502

Instructions: Close Book/Notes

[30]

Question # 1

What if, is anything wrong with the following program, write its output, otherwise?

```

public class First extends Second{
    public First()
    {
        System.out.println("Called from First");
    }
    public static void main(String args[])
    {
        new First();
    }
}

class Second extends Third{
    public Second()
    {
        System.out.println("Called from Second");
    }
}

class Third{
    public Third()
    {
        System.out.println("Called from Third");
    }
}

```

Output:

Called from Third  
 Called from Second  
 Called from First

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Question # 2

Create a class that intimates part of the functionality of the basic data type *int*, call the class *Intgr*. The only data in the class is an *int* variable with private access. Include all the constructors default to initialize an *int* to 0, parameterized and copy, appropriate get/set functions, function to return a new *Intgr* which contains the sum of two *Intgr* as a result.

Solution:

```

public class Intgr{
    private int n;
    public Intgr() // Default ctor
    {
        n=0;
    }
    public Intgr(int number) // parameterized ctor
    {
        n = number;
    }
    public Intgr(const Intgr &number) // copy ctor
    {
        n=number;
    }
}

```

use getters

```
int getN() //getter
{
    return n;
}
```

```
void setN(int number) //setter.
{
    n = number;
}
```

```
Intgr sum (Intgr a, Intgr b) //function to
                                add two
                                Intgr
{
    Intgr result = new Intgr();
    result.n = a.n + b.n;
    return result;
}
```

private use getters