Assignment 1

Programming in Java for Deadlock

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Assignment-1

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1. Identify the error in the following program

```
Class abc {
Public static void main( )
{
  int i=0;
  i=i+1;
  Systems.out.printtln(i);
}
}
```

Ans.

```
import java.io.*;
class abc {
  public static void main (String args[ ])
  {
    int i=0;
    i=i+1;
    System.out.printtln(i);
  }
}
```

2. Identify the error in the following program

```
Class abc {
Public static void main( )
{
  Short i=2500, j=3000;
  System.out.println("i+j", i+1);
}
}
```

```
import java.io.*;
class abc {
   public static void main(String args [ ])
   {
      Short i = 2500, j = 3000;
      System.out.println("i+j" + (i+j));
   }
}
```

3. What will happen when you run the following

program?

```
Class abc {
   Public static void main()
   {
      int f=1.0, j=5;
      int inadResult = 0;
      int divresult = 0;
      int modResult -i%.jj;
      System.out.print\n(modresult);
   }
}
```

If we run the above code we will get all the errors. as the defining of class section and specification of access specifiers and defining of datatypes are wrong and the needed variable was not declared in the program and has an error in output statement

Updated/Error free code

```java
import java.io.*;
class abc {
    Public static void main(String args [])
    {
        int j = 5, i = 10;
        int inad Result = 0;
        int divresult = 0;
        int modResult = i % j;
        System.out.println(modResult);
    }
}
```

4. Find errors in any of the following statements

a) `System.out.println("x = " + x);`

   Valid statement (no error)

b) `m = 5; || n = 10' || S = m`

   Invalid statement
   No semicolon or quotes come in b/w comparision
   `m = 5 || n = 10 || s = 'm'`

c) `cin >> x; >> y;`

   Invalid statement, as Java will not support
   cin statement to read the value.

d) `System.out.println(\n "Name", name);`

   Invalid statement.
   \n will be declared inside the quotes and ';' operator
   is not used '+' was used.
   `System.out.println(" \n Name " + name);`

e. System.out.println("Enter the value",+x);

Invalid statement

Due to ',' operator

System.out.println("Enter the value" +x);

f. /*addition*/ z=x+y;

Valid statement