## **OOPJ Assignments 4**

1. Write a program that demonstrates widening conversion from int to double and prints the result.

```
package com.assignment.question1;

public class Question1 {

   public static void main(String[] args) {

       int a = 10;
       double d = a; //Widening from int to double. No need of explicit typecast

       System.out.println("int : " + a);
       System.out.println("double : " + d);
    }
}
```

```
<terminated> Question1 (2) [Java Ap
int : 10
double : 10.0
```

2. Create a program that demonstrates narrowing conversion from double to int and prints the result.

```
package com.assignment.question;
public class Question2 {
```

```
public static void main(String[] args) {
    double d = 10.5;
    int a = (int)d; //Narrowing

    System.out.println("double : " + d);
    System.out.println("int : " + a);
}
```

```
<terminated> Question2 (2) [Java Ag
double : 10.5
int : 10
```

3. Write a program that performs arithmetic operations involving different data types (int, double, float) and observes how Java handles widening conversions automatically.

```
System.out.println("double+int : " + sum3);
}
}
```

4. Write a Program that demonstrates widening conversion from int to (double, float, boolean, string) and prints the result.

```
package com.assignment.question;
public class Question4 {
    public static void main(String[] args) {
        // TODO Auto-generated method stub
        int number = 4;
        double d = number;
        float f = number;
        boolean b = number>0 ? true : false;
        String string = String.valueOf(number);
        System.out.println("Double:
                                     "+d);
        System.out.println("float: "+f);
        System.out.println("Boolean: "+b);
        System.out.println("String:
                                     "+string);
    }
}
```

## <terminated > Question4 (3) [Jav

Double: 4.0 float: 4.0 Boolean: true

String: 4