1) What will be the output of the following program?

```
public class Test
{
    public static void main (String args[])
    {
        int decimal_int=1234;
        int octal_int=077;
        int hexadec_int=0x1ff2;
        int binary_int=0b1010101;
        System.out.println("This is a Decimal Literal: "+decimal_int);
        System.out.println("This is an Octal Literal: "+octal_int);
        System.out.println("This is a Hexa Decimal Literal: "+hexadec_int);
        System.out.println("This is a Binary Literal: "+binary_int);
    }
}
```

Answer:

```
This is a Decimal Literal: 1234
This is an Octal Literal: 63
This is a Hexa Decimal Literal: 8178
This is a Binary Literal: 85
```

2) What will be the output of the following program?

```
public class Test
{
    public static void main (String args[])
    {
        float val_float=1.7732f;
        double val_double=1.7732d;
        float val_exponent=123E4f;
        System.out.println("This is a Floating Point Literal"+val_float);
        System.out.println("This is a Decimal Literal"+val_double);
        System.out.println("This is an Exponential Literal"+val_exponent);
    }
}
```

Answer:

```
This is a Floating Point Literal1.7732
This is a Decimal Literal1.7732
This is an Exponential Literal1230000.0
```

3) What will be the output of the following program?

```
public class AutomaticTypeConversion
{
    public static void main (String args[])
    {
        int intVariable = 100;
        long longVariable = intVariable;
        float floatVariable = longVariable;
        System.out.println ("Integer Value is : " + intVariable);
        System.out.println ("Float Value is : " + floatVariable);
        System.out.println ("Long Value is : " + longVariable);
    }
}
```

Answer:

```
Integer Value is : 100
Float Value is : 100.0
Long Value is : 100
```

4) What will be the output of the following program?

```
public class ExplicitTypeCasting
{
    public static void main (String[]args)
    {
        double doubleVariable = 100.04;
        long longVariable = (long) doubleVariable;
        int intVariable = (int) longVariable;
        System.out.println ("Double Value is : " + doubleVariable);
```

```
        System.out.println ("Long Value is : " + longVariable);
        System.out.println ("Integer Value is : " + intVariable);
    }
}
```
Answer:
```
Double Value is : 100.04
Long Value is : 100
Integer Value is : 100
```


5) What will be the output of the following program?

```
public class Sample
{
    public static void main(String[] args)
    {
        int a=10;
        float b=4.5f;
        double c=5.2;
        long d=(long)-8.98;
        System.out.println(a);
        System.out.println(b);
        System.out.println(c);
        System.out.println(d);
    }
}
```
Answer:
```
10
4.5
5.2
-8
```


6) What will be the output of the following program?

```
public class Sample
{
    public static void main(String[] args)
    {
        int a=10;
        float b=4.5f;
        double c=5.2;
        long d=378293L;
        long e=(long)-8.98;
        System.out.println(a);
        System.out.println(b);
        System.out.println(c);
        System.out.println(d);
        System.out.println(e);
    }
}
```
Answer:
```
10
4.5
5.2
378293
-8
```