

## Java assignment 2

1)

// Main class

class GFG {

    public static void main (String [] args)

{

    int i = 100;

    long l = i;

    float f = 1;

    System.out.println("Int value " + i);

    System.out.println("Long value " + l);

    System.out.println("Float value " + f);

    System.out.println("Float value " + f);

}

}

O/P

int value 100

long value 100

float value 100.0

2) // Main class

~~public~~

public class GFG {

public static void main (String [] args)

{

    char ch = 'C';

    int num = 88;

    ch = num;

}

}

O/P compilation error

3) // Main class

public class GFG {

public static void main (String [] args)

{

    char ch = 'C';

    int num = 88;

    ch = num;

}

}

O/P compilation error

4) // Main class

```
public class GFG{  
    public static void main(String [] args)  
    {  
        double d = 100.04;  
        long l = (long)d;  
        int i = (int)l;  
        System.out.println ("Double value "+d);  
        System.out.println ("Long value "+l);  
        System.out.println ("Int value "+i);  
    }  
}
```

O/P

Double value 100.04  
Long value 100  
Int value 100

5) // main class

```
class GFG {  
    public static void main (String args [])  
    {  
        byte b;  
        int i = 257;  
        double d = 323.142;  
        System.out.println ("Conversion of int to  
        byte.");  
        i % 256;  
        b = (byte)i;  
        System.out.println ("i = " + i + " b = " + b);  
        System.out.println (  
            "\nConversion of double to byte.");  
        b = (byte)d;  
        System.out.println ("d = " + d + " b = " +  
    }  
}
```

O/P

compilation error

∴ invalid assignment operator

6) // Main class

class GFG1 {

    public static void main (String args [ ])

}

    byte b = 42;

    char c = 'a';

    short s = 1024;

    int i = 50000;

    float f = 5.67f;

    double d = .1234;

    double result = (f \* b) + (i / c) - (d \* s);

    System.out.println ("result = " + result);

}

}

O/P

result = 626.7784146484375

7) // Main class

class GFG1 {

    public static void main (String args [ ])

{

    byte b = 50;

    b = (byte)(b \* 2);

    System.out.println (b);

}

}

O/P 100

8) `import java.util.Arrays;`

// Main class

public class GFG {

public static void main(String [] args)

{

int [] arr = {13, 7, 6, 45, 21, 9, 101, 102};

Arrays.sort(arr);

System.out.println("Modified arr[]: " +

Arrays.toString(arr));

}

}

O/P      Modified arr[]: [6, 7, 9, 13, 21, 45, 101, 102]

```
import java.util.Arrays;
import java.util.Collections;

// Main class
public class GFG {
    // Main driver method
    public static void main (String [] args) {
        String arr [] = { "practice.geeksforgeeks.org",
                           "quiz.geeksforgeeks.org",
                           "code.geeksforgeeks.org" };

        Arrays.sort (arr);
        System.out.println ("Modified arr[]:\n% s\n%n", arr);
        System.out.println ("Modified arr[]:\n% s\n%n", Collections.reverseOrder().compare (arr));
        System.out.println ("Modified arr[]:\n% s\n%n", Arrays.toString (arr));
    }
}
```

O/P

```
Modified arr[]:
[practice.geeksforgeeks.org, quiz.geeksforgeeks.org,
 code.geeksforgeeks.org]
Modified arr[]:
[practice.geeksforgeeks.org, code.geeksforgeeks.org]
```

```
10) import java.util.*;  
Public class CollectionSorting  
{  
    Public static void main (String [] args)  
    {  
        ArrayList<String> al = new ArrayList<String>();  
        al.add ("Greeks for Geeks");  
        al.add ("Friends");  
        al.add ("Dear");  
        al.add ("Is");  
        al.add ("Superb");  
        Collections.sort (al);  
        System.out.println ("List after the use of" +  
                            "Collection.sort ():\n" + al);  
    }  
}
```

O/P List after the use of Collection.sort();  
[Dear, Friends, Greeks For Geeks, Is, Superb]