What will be the output of the following Java program?

```
class box
  {
     int width;
     int height;
     int length;
  }
  class mainclass
  {
     public static void main(String args[])
     {
        box obj = new box();
        obj.width = 10;
        obj.height = 2;
        obj.length = 10;
        int y = obj.width * obj.height * obj.length;
        System.out.print(y);
     }
  }"
```

a) 12
b) 200
c) 400
d) 100

Answer: b

What will be the output of the following Java program?

```
class main_class
  {
     public static void main(String args[])
     {
        int x = 9;
        if (x == 9)
        {
           int x = 8;
           System.out.println(x);
        }
     }
  }"
```
a) 9
b) 8
c) Compilation error

d) Runtime error

Answer: c
Explanation: Two variables with the same name can't be created in a class.

What will be the output of the following Java code?

```
class access
  {
     public int x;
   private int y;
     void cal(int a, int b)
     {
       x =  a + 1;
       y =  b;
     }
  }
  public class access_specifier
  {
     public static void main(String args[])
     {
       access obj = new access();
       obj.cal(2, 3);
       System.out.println(obj.x + "" "" + obj.y);
     }
  }"
```

a) 3 3
b) 2 3
c) Runtime Error
d) Compilation Error

Answer: c
Explanation: None.

What will be the output of the following Java code?

```
class access
  {
     public int x;
 private int y;
     void cal(int a, int b)
     {
       x =  a + 1;
```

```
        y =  b;
      }
      void print()
      {
        System.out.println("" "" + y);
      }
  }
  public class access_specifier
  {
    public static void main(String args[])
    {
      access obj = new access();
      obj.cal(2, 3);
      System.out.println(obj.x);
      obj.print();
    }
  }"
```

a) 2 3
b) 3 3
c) Runtime Error
d) Compilation Error

Answer: b
Explanation: None.

 Is the below code written correctly?

```
class A
{
  static
  {
    static
    {
      System.out.println(1);
    }
  }
}"
```

Answer :
No. Static Initialization Blocks can not be nested.

What will be the outcome of the following program?

```
{
    static
    {
        System.out.println(1);
    }

    static
    {
        System.out.println(2);
    }

    static
    {
        System.out.println(3);
    }

    public static void main(String[] args)
    {
        A a;
    }
}
"
```

Answer :
1

What will be the output of the following Java program?

```
class string_demo
    {
        public static void main(String args[])
        {
        String obj = ""I"" + ""like"" + ""Java"";
            System.out.println(obj);
        }
    }"
```

a) I
b) like
c) Java
d) IlikeJava
View Answer

Answer: d

Explanation: Java defines an operator +, it is used to concatenate strings.

What will be the output of the following Java program?

```
class string_class
  {
     public static void main(String args[])
     {
        String obj = ""I LIKE JAVA"";
        System.out.println(obj.charAt(3));
     }
  }"
```

a) I
b) L
c) K
d) E
View Answer

Answer: a

Explanation: charAt() is a method of class String which gives the character specified by the index. obj.charAt(3) gives 4th character i:e I.

What will be the output of the following Java program?

```
class string_class
  {
     public static void main(String args[])
     {
        String obj = ""I LIKE JAVA"";
        System.out.println(obj.length());
     }
  }"
```

a) 9
b) 10
c) 11
d) 12
View Answer

Answer: c

Explanation: None.

What will be the output of the following Java program?

```
class string_class
   {
      public static void main(String args[])
      {
        String obj = ""hello"";
        String obj1 = ""world"";
        String obj2 = obj;
        obj2 = "" world"";
        System.out.println(obj + "" "" + obj2);
      }
   }"
```
a) hello hello
b) world world
c) hello world
d) world hello
View Answer

Answer: c
Explanation: None.

What will be the output of the following Java program?

```
class string_class
   {
      public static void main(String args[])
      {
        String obj = ""hello"";
        String obj1 = ""world"";
        String obj2 = ""hello"";
        System.out.println(obj.equals(obj1) + "" "" + obj.equals(obj2));
      }
   }"
```
a) false false
b) true true
c) true false
d) false true

Answer: d

Explanation: equals() is method of class String, it is used to check equality of two String objects, if they are equal, true is retuned else false.

What will be the output of the following Java program?

```
class box
  {
    int width;
    int height;
    int length;
    int volume;
    void volume(int height, int length, int width)
    {
       volume = width * height * length;
    }
  }
  class Prameterized_method{
    public static void main(String args[])
    {
      box obj = new box();
      obj.height = 1;
      obj.length = 5;
      obj.width = 5;
      obj.volume(3, 2, 1);
      System.out.println(obj.volume);
    }
  }"
```
a) 0
b) 1
c) 6
d) 25
View Answer

Answer: c
Explanation: None

What will be the output of the following Java program?

```
class equality
  {
     int x;
     int y;
     boolean isequal()
     {
        return(x == y);
     }
  }
  class Output
  {
     public static void main(String args[])
     {
        equality obj = new equality();
        obj.x = 5;
        obj.y = 5;
        System.out.println(obj.isequal);
     }
  }"
```
a) false
b) true
c) 0
d) 1

Answer: b
Explanation: None

What will be the output of the following Java program?

```
class box
  {
    int width;
    int height;
    int length;
    int volume;
    void volume()
    {
      volume = width * height * length;
    }
    void volume(int x)
    {
      volume = x;
    }
  }
  class Output
  {
    public static void main(String args[])
    {
      box obj = new box();
      obj.height = 1;
      obj.length = 5;
      obj.width = 5;
      obj.volume(5);
      System.out.println(obj.volume);
    }
  }"
```
a) 0
b) 5
c) 25
d) 26

Answer: b
Explanation: None.