Started on	Saturday, 12 November 2022, 11:45 AM
State	Finished
Completed on	Saturday, 12 November 2022, 11:55 AM
Time taken	9 mins 44 secs
Grade	**8.00** out of 8.00 (**100**%)

Find the output of the following pragram.

```java
public class Point
{
  int m_x, m_y;
  public Point(int x, int y)
  {
      m_x = x; m_y = y;
  }
  public Point()
  {
      this(10, 10);
  }
  public int getX()
  {
      return m_x;
  }
  public int getY()
  {
      return m_y;
  }
  public static void main(String args[])
  {
    Point p = new Point();
    System.out.println(p.getX());
  }
}
```

- a. Compilation error
- b. Run-time error
- c. 0
- d. 10 ✔

Your answer is correct.

The correct answer is:
10

Find the output of the following program.

```java
class A
{
    int i;
}
class B extends A
{
    int j;
    void display()
    {
        super.i = j + 1;
        System.out.println(j + " " + i);
    }
}
public class Main
{
    public static void main(String[] args)
    {
        B obj = new B();
        obj.i=1;
        obj.j=2;
        obj.display();
    }
}
```

- a.   Compilation Error
- b.   2   3   ✔
- c.   Runtime Error
- d.   3   3

Your answer is correct.

The correct answer is:

2   3

Find the output of the following program.

```java
class Base
{
    public static void show()
    {
        System.out.println("Base::show() called");
    }
}
class Derived extends Base
{
    public static void show()
    {
        System.out.println("Derived::show() called");
    }
}
public class Main
{
    public static void main(String[] args)
    {
        Base b = new Derived();
        b.show();
    }
}
```

○ a. Run-time error

○ b. Derived::show() called

◉ c. Base::show() called   ✔

○ d. Compilation error

Your answer is correct.

The correct answer is:
Base::show() called

Find the output of the following code.

```java
class Base
{
    public void Print()
    {
        System.out.println("Base");
    }
}
class Derived extends Base
{
    public void Print()
    {
        System.out.println("Derived");
    }
}
public class Main
{
    public static void DoPrint( Base o )
    {
        o.Print();
    }
    public static void main(String[] args)
    {
        Base x = new Base();
        Base y = new Derived();
        Derived z = new Derived();
        DoPrint(x);
        DoPrint(y);
        DoPrint(z);
    }
}
```

○ a.
    Base

    Derived

    Derived   ✔

○ b.
    Base

    Base

    Derived

○ c.
    Base

    Derived

    Base

○ d. Compiler Error

Your answer is correct.

The correct answer is:

Base
Derived
Derived