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State	Finished
Completed on	Sunday, 16 February 2025, 6:43 PM
Time taken	1 min 4 secs
Marks	8.00/8.00
Grade	100.00 out of 100.00
Feedback	Congratulations!! You have passed by securing more than 80%

1.00/1.00

Which of the following is not a Java modifier?

Select one:

- ☐ a. protected
- ☒ b. virtual ✓
- ☐ c. public
- ☐ d. private

Your answer is correct.

The correct answer is: virtual

1.00/1.00

Predict the output.

class X

```
{
    void display(int a)
    {
        System.out.println("INT");
    }

    void display(double d)
    {
        System.out.println("DOUBLE");
    }
}
```

```
public class Sample
{
    public static void main(String[] args)
    {
        new X().display(100);
    }
}
```



```
}
```

Select one:

- ☒ a. INT ✓
- ☐ b. DOUBLE
- ☐ c. Ambiguity error
- ☐ d. Compilation Fails

Your answer is correct.

The correct answer is: INT

Question 3

1.00/1.00

```
Integer x1 = new Integer(120);  
int x2 = 120;  
System.out.println( x1 == x2 );
```

What will be the output of the above code fragment?

Select one:

- ☐ a. false
- ☐ b. CastException
- ☒ c. true ✓
- ☐ d. Runtime Exception
- ☐ e. Compilation Error

Your answer is correct.

The correct answer is: true

Question 4

1.00/1.00

Observe the code

```
public class Sample {  
    public static void main(String [] args) {  
        int x = 6;  
        Sample p = new Sample();  
        p.display(x);  
        System.out.print(" main x = " + x);  
    }  
    void display(int x) {
```



```
public class Sample {  
    public static void main(String [] args) {  
        System.out.print(" display x = " + x++);  
    }  
}
```

Given in command line - **java Sample** - What is the result?

Select one:

- ☐ a. Compilation fails.
- ☒ b. display x = 6 main x = 6 ✓
- ☐ c. display x = 7 main x = 7
- ☐ d. display x = 6 main x = 7
- ☐ e. An exception is thrown at runtime.
- ☐ f. display x = 7 main x = 6

Your answer is correct.

The correct answer is:

display x = 6 main x = 6

Question 5

1.00/1.00

Given classes defined in two different files:

```
1. package p1;  
2. public class Test {  
3.     public static void display(String [] a) { /* some code */ }  
4. }
```

```
1. package p2;  
2. public class TestMain {  
3.     public static void main(String[] args) {  
4.         String [] names = new String[10];  
5.         // insert code here  
6.     }  
7. }
```

Identify the statement to be written in line 5 in class TestMain to call the display method of class Test.

Select one:

- ☐ a. p1.display(names);
- ☒ b. p1.Test.display(names); ✓
- ☐ c. display(names);



- ☐ d. TestMain cannot use methods in p1
- ☐ e. import p1.Test.*; display(names);

Your answer is correct.

The correct answer is: p1.Test.display(names);

Question 6

1.00/1.00

The methods of a class with the _____ access specifier cannot be accessed in its subclass class of different package.

Select one:

- ☒ a. default✓
- ☐ b. public
- ☐ c. protected

Your answer is correct.

We call the access specifier default as “package level access” because, in a class, members declared as default can be accessed only within the package in which it is declared.

The correct answer is: default

Question 7

1.00/1.00

What is the outcome of the code?

```
public class Item {
    private String description;

    public String getDescription() {
        return description;
    }

    public void setDescription(String description) {
        this.description = description;
    }

    public static void modifyDesc(Item item,String desc) {
        item=new Item();
        item.setDescription(desc);
    }

    public static void main(String[] args) {
        Item it=new Item();
        it.setDescription("Gobstopper");
        Item it2=new Item();
```



```
it2.setDescription("Fizzylifting");  
it.modifyDesc(it,"Scrumdiddlyumptious");  
System.out.println(it.getDescription());  
System.out.println(it2.getDescription());  
  
    }  
}
```

Select one:

- ☒ a. Gobstopper✓
Fizzylifting
- ☐ b. Scrumdiddlyumptious
Fizzylifting
- ☐ c. Gobstopper
Scrumdiddlyumptious
- ☐ d. Compilation fails
- ☐ e. Scrumdiddlyumptious

Your answer is correct.

The correct answer is: Gobstopper
Fizzylifting

Question 8

1.00/1.00

Given:

```
public class Message {  
    String msg;  
    int noOfWords;  
    public Message() {  
        msg += " Thank you";  
    }  
    public Message(int noOfWords) {  
        this.noOfWords = noOfWords;  
        msg = "Welcome";  
        Message();  
    }  
    public static void main(String args[]) {  
        Message m = new Message(5);  
        System.out.println(m.msg);  
    }  
}
```

What will be the output ?

Select one:



72%



- ☐ a. Welcome
- ☒ b. Compilation fails✓
- ☐ c. An exception is thrown at runtime
- ☐ d. The code runs with no output
- ☐ e. Welcome Thank you
- ☐ f. Welcome Thank you 5

Your answer is correct.

The correct answer is: Compilation fails