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Grade	**9.00** out of 10.00 (**90**%)

Question 1

Complete

Mark 1.00 out of 1.00

```
abstract class I
{
    abstract void i1();
}

abstract class Main extends I
{
    void i1() {}
}

abstract class K extends J
{
    abstract void i2();
}
```

Select one:

○ a. I

○ b. Main

◉ c. J

○ d. K

The correct answers are: K, I, J, Main

Question 2

Complete

Mark 1.00 out of 1.00

```java
public class Main {
    public static void main(String s[]) {
        Noodles eat = new Noodles();
        eat.print();
        Maggi mag = new Maggi();
        mag.print();
        System.out.println("~" + mag.sticks);
    }
}
class Maggi {
    private int spoon = 3;
    protected int sticks = 4;
    void print() {
        System.out.print("~" + spoon);
    }
}
class Noodles extends Maggi {
    private int powder = 1;
    protected int fire = 2;
    void print() {
        System.out.print(powder + "~" + fire + "~" + sticks);
    }
}
```

Select one:

○ a. 1~2~4~3~4

○ b. 1~2~4~2~4

○ c. 1~2~3~4~5

○ d. 1~2~2~3~3

The correct answer is: 1~2~4~3~4

```
public class Main {
    public static void main(String[] args) {
        new Z().method1();
        new Z().method2();
    }
}
abstract class X {
    abstract void method1();
    abstract void method2();
}
abstract class Y extends X {
    void method1() {
        System.out.println("Bennett University");
    }
}
class Z extends Y {
    void method2() {
        System.out.println("Computer Science");
    }
}
```

Select one:

○ a. Bennett University

  Computer Science

○ b. Computer Science

○ c. Compilation Error

○ d. Bennett University

The correct answer is: Bennett University

Computer Science

```
interface Base
{
   boolean m1 ();
   byte m2(short s);
}
```

1. interface Base2 implements Base { }
2. abstract class Class2 extends Base
         {   public boolean m1(){ return true; }   }
3. abstract class Class2 implements Base {}
4. abstract class Class2 implements Base
         {   public boolean m1(){ return (7 > 4); }   }
5. abstract class Class2 implements Base
         {   protected boolean m1(){ return (5 > 7) } }

Select one or more:

☐ a. 3

☐ b. 4

☐ c. 5

☑ d. 2

☐ e. 1

The correct answers are: 1, 5

```
class Main {
   public static void main(String[] args) {
       A a = new A();
       a.m1();
       a.m4();
       B.class.m2();
   }
}
interface I {
   void m1();
   void m4();
}
interface I2 {
   void m2();
}
class A implements I {
   public void m1() {   System.out.print(" Bennett University");   }
   public void m4() {   System.out.print(" Computer Science");   }
}
abstract class B implements I2 {
   public void m1() {   }
   public void m2() {   System.out.print(" Greater Noida");   }
   void m3() {   }
}
```

Select one:

- ◉ a. Compilation Error

- ○ b. Bennett University

- ○ c. Bennett University Computer Science

- ○ d. Bennett University Greater Noida

The correct answer is: Compilation Error

```
interface calculate
{
    void cal(int item);
}
class display implements calculate
{
    int x;
    public void cal(int item)
    {
        x = item * item;
    }
}
class Main
{
    public static void main(String args[])
    {
        display arr = new display();
        arr.x = 0;
        arr.cal(2);
        System.out.print(arr.x);
    }
}
```

Select one:

○ a. compilation error

○ b. 2

○ c. 1

◉ d. 4

The correct answer is: 4

```
class Output
{
    final static short i = 2;
    public static int j = 0;

    public static void main(String [] args)
    {
        for (int k = 0; k < 3; k++)
        {
            switch (k)
            {
                case i : System.out.print(" 1 ");
                case i - 1 : System.out.print(" 2 ");
                default : System.out.print(" 0 ");
            }
        }
    }
}
```

Select one:

○ a. 0 2 0 1 2 0

○ b. 0 0 1 1 2 2

○ c. 0 1 0 2 0 1

○ d. 0 1 0 2 0 1

The correct answer is: 0 2 0 1 2 0

```
interface SixesMachine {
    void hitSixes();
}
abstract class Runs implements SixesMachine {
    public String numberOfSixes() {
        return "6 0 6 3 6 6 6 6";
    }
    public void printRunsTrail(String runsAndRuns) {
        System.out.println(runsAndRuns);
    }
}
public class Main extends Runs {
    public static void main(String args[]) {
        Runs outputClass = new Main();
        outputClass.hitSixes();
    }
    public void hitSixes() {
        numberOfSixes();
        printRunsTrail(numberOfSixes());
    }
}
```

Select one:

○　a. Runtime Error

○　b. 6 0 6 3 6 6 6 6

　　6 0 6 3 6 6 6 6

○　c. 6 0 6 3 6 6 6 6

◉　d. Compilation Error

The correct answer is: 6 0 6 3 6 6 6 6

```
class M { public void m1(int i) {}}

class N { private void m1(int i, int j) {}}

class O { protected void m1(int i) {}}


class U extends O { private void m1(int i, int j) {}}

class W extends M { protected void m1(int i, int j) {}}

class X extends M { private void m1(int i) {}}

class Y extends N { private void m1(int i) {}}

class Z extends O { void m1(int k) {}}
```

Select one or more:

- [ ] a. U
- [x] b. X
- [ ] c. W
- [ ] d. Z

The correct answers are: Z, X

```
interface I1 {
    void m1();
}

interface I2 extends I1 {
    void m2();
}

abstract class A implements I1 {
    public void m1() {}
    public void m2() {}
}

abstract class B implements I2 {}
class C extends A implements I1, I2 {}
class D extends A {}
```

Select one:

○ a. All Compiles Successfully

◉ b. B

○ c. A

○ d. C

The correct answers are: All Compiles Successfully, A, B, C