

[Quiz A]

가

(40).

<Sample Code: Person.java>

```
public class Person {
    public String name;
    public int age;

    public Person(String name, int age) {
        this.name = name;
        this.age = age;
    }

    public String getInformation() {
        return " : " + name + " t : " + age;
    }
}
```

- < >
- (1) Person Student
- (2)
- (3) (stdID)
- (4) Person getInformation() (method overriding)
- (5) 가
- (6) 가
- (7)
- (8) jar.exe
- e17_ _20001234.jar

[Quiz A]

<Sample Code: Student.java>

```
public class Student extends Person {
    public String stdID = "20001234"; // (    )

    public Student(String name, int age, String stdID) { //
        super(name, age); //
        this.stdID = stdID;
    }

    public String getInformation() { //
        return "    : " + name + " t    : " + age + " t    : " + stdID;
    }
}
```

<Sample Code: TestMain.java>

```
public class TestMain {
    public static void main(String[] args) {
        //
        Student std = new Student("    ", 24, "20019871");
        System.out.println(std.getInformation());
    }
}
```

[Quiz B]

가

(40).

<Sample Code: Person.java>

```
public class Person {
    private static String name;
    private static int age;

    public Person(String name, int age) {
        this.name = name;
        this.age = age;
    }

    public String getInformation() {
        return " : " + name + " t : " + age;
    }

    // A 가
    //
    public static String getName() {
        return name;
    }

    public static int getAge() {
        return age;
    }
}
```

- < >
- (1) Person Student
- (2)
- (3) (stdID) private
- (4) Person getInformation() (method overriding)
- (5) 가

(6)

가

(7)

(8)

jar.exe

e17_ _20001234.jar

[Quiz B]

(A

.)

< >

^^;

private

가

가

가

<Sample Code: Student.java>

```
public class Student extends Person {
```

```
    private String stdID = "20001234"; //
```

()

```
    public Student(String name, int age, String stdID) { //
```

```
        super(name, age); //
```

```
        this.stdID = stdID;
```

```
    }
```

```
// A 가?
```

```
    public String getInformation() { //
```

```
        return " : " + Person.getName() + " t : " +
```

```
            Person.getAge() + " t : " + stdID;
```

```
    }
```

```
}
```

<Sample Code: TestMain.java>

```
public class TestMain {
```

```
    public static void main(String[] args) {
```

```
        //
```

```
        Student std = new Student(" ", 24, "20019871");
```

```
        System.out.println(std.getInformation());
```

```
    }
```

```
}
```

[Quiz C]

가

(40).

<Sample Code: Count.java>

```
public class Count {  
    public static int j = 0;  
  
    public static int doCount() {  
        return ++j;  
    }  
}
```

- < >
- (1) Count TestCount
- (2) 가
- (3) Count doCount() 10
- (4)
- (5)
- (6) jar.exe
- e17_ _20001234.jar

[Quiz C] ()

<Sample Code: TestMain.java>

```
public class TestMain {  
    public static void main(String[] args) {  
        // Count count = new Count(); -->  
        for(int i =0; i < 10; i++) {  
            //                      ^^;  
            System.out.println("                      " + Count.doCount());  
        }  
    }  
}
```

[Quiz D]

가

(40).

<Sample Code: Shape.java>

```
public abstract class Shape {
    private int x;
    private int y;

    public Shape() { }

    public Shape(int x, int y) {
        this.x = x;
        this.y = y;
    }

    public abstract double area();
}
```

<

(1) Shape

(2)

(3) radius

(4) Shape area()

(5)

(6)

(7)

e17_ _20001234.jar

>

Circle

().

가

jar.exe

[Quiz D]

<Sample Code: Circle.java>

```
public class Circle extends Shape {
    final double PI = 3.141592654; // PI
    private double radius; //

    public Circle(double radius) { //
        super(0, 0); // ( 가 !! )
        // 가 !!
        this.radius = radius;
    }

    //
    public double area() { // ( ! )
        return (PI*radius*radius); //
    }
}
```

<Sample Code: TestMain.java>

```
public class TestMain {
    public static void main(String[] args) {
        // ,
        Circle circle = new Circle(20.0);
        System.out.println(" " + circle.area());
    }
}
```

[Quiz E]

가

(40).

<Sample Code: Duck.java>

```
interface Duck {  
    private String duck = " ";  
  
    void duckDetails();  
}
```

< >

(1) Duck Badger

(2) 가

(3) MainClass

(4) MainClass

(5)

(6) jar.exe

e17_ _20001234.jar

[Quiz E]

<Sample Code: Duck.java>

```
interface Duck {  
    // 가 가?  
    private String duck = " ";  
  
    void duckDetails();  
}
```

<Sample Code: Badger.java>

```
interface Badger {  
    // 가 가?  
    private String badger = " ";  
}
```

```
    void badgerDetails();
}
```

<Sample Code: DuckBadger.java>

```
//                                     !!
interface DuckBadger extends Duck, Badger {
    //                                     가   가?
    private String badger = "           !"; //

    void duckBadgerDetails();
}
```

<Sample Code: TestDuckBadger.java>

```
public class TestDuckBadger implements DuckBadger {
    //
    public void duckDetails() {
        System.out.println("           !");
    }
    public void badgerDetails() {
        System.out.println("           !");
    }
    public void duckBadgerDetails() {
        System.out.println("           !");
    }

    public static void main(String[] args) {
        TestDuckBadger test = new TestDuckBadger();
        test.duckBadgerDetails();
    }
}
```

[가 - ()]

가 가 (40)

(1) , 가?(10)

(2)

가?(10)

(3) 가?(5)

(4) 가?(15)

(5) , 가 가 .

가

		(L1)	(L2)	(L3)	(L4)
가	(1)	7	8	9	10
가	(2)	7	8	9	10
가	(3)	2	3	4	5
가	(4)	9	11	13	15
					40