

WrapperClasses

QUIZ

Question 1

Which of these are not Wrapper Classes

A Char

B String

C Integer

D Boolean

Question 2

```
class Test {  
    int doX(Long x, Long y) { return 1; }  
    int doX(long... x) { return 2; }  
    int doX(Integer x, Integer y) { return 3; }  
    int doX(Number n, Number m) { return 4; }  
  
    public static void main(String[] args) {  
        new Test().go();  
    }  
    void go() {  
        short s = 7;  
        System.out.print(doX(s,s) + " ");  
        System.out.println(doX(7,7));  
    } }
```

What does the code above print?

- A. 4 3
- B. 3 3
- C. 3 1
- D. 4 2

Question 3

Which are the subclasses of **Number**?

- A. Int
- B. Byte
- C. Char
- D. Long

Question 4

Which of following declaration will give compilation error?

- A. `Character f= 65;`
- B. `Number n=10;`
- C. `Double d=-25.65e-3;`
- D. `StringBuffer s="hello";`

Question 5

```
public class Test {  
    public static void main(String[] args) {  
        byte b = 1;  
        Byte b1 = new Byte(b) ;  
        Byte b2 = new Byte(1) ; // line 1  
        Byte b3=1;                // line 2  
        System.out.print(b1+b2+b3) ; // line 3  
    }  
}
```

What is the result of compilation and execution of the code?

- A. Prints 3
- B. Compilation error at line 1
- C. Compilation error at line 2
- D. Compilation error at line 3

Question 6

```
public class Print{  
    public static void main(String ar[])  
    {  
        final int i=50;  
        Byte x=i; //line1  
        Double y=50; //line 2  
        System.out.println(x + y); // line 3  
    }  
}
```

What happens on compilation and execution of the code?

- A. Compilation Error at line1.
- B. Compilation Error at line 2.
- C. Compilation Error at line 3.
- D. Compiles and prints 100.

Question 7

```
public class Test {  
    public static void main(String[] args) {  
        Byte b1= Byte.parseByte(args[0]);  
        Byte b2= Byte.parseByte(args[1]);  
        System.out.println(b1+b2);  
    }  
}
```

Assume that the code is executed as

```
java Test 123abc
```

Which of the following is true about the code?

- A. Code will throw **ArrayIndexOutOfBoundsException** exception
- B. Code will throw **NumberFormatException**
- C. Code will throw **NullPointerException** exception
- D. Code will throw **ArrayIndexOutOfBoundsException** exception when no argument is passed.

Question 8

Which of these statements are valid

Byte b1=12;

Number i=b1;

Integer i2=b1;

int i4=b1;

Character c=i;

Character c1=23;

Question 9

What is the output:

Character ch=48;

char x=ch.charValue();

System.out.println(x);

Question 9

```
Character ch=48;  
char x=ch.charValue();
```

```
System.out.println(x);
```

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Question 10

Which of the following statements are legal

String a="1";

char c=Character.parseChar(a); //stmt 1

char c1=a.charAt(0); //stmt 2

char c2=48;

char c3=a.charAt(c2-48); //stmt 3

System.out.println(c3);

Question 10

Which of the following statements are legal

String a="1";

char c=Character.parseChar(a); //stmt 1

char c1=a.charAt(0); //stmt 2

char c2=48;

char c3=a.charAt(c2-48); //stmt 3

System.out.println(c3);

Question 11

What is the output of the code:

```
public class Demo {  
  
static void m1(Integer i1,Integer i2)  
{  
System.out.println("m1");  
}  
public static void main(String[] args) {
```

Byte b1=12,b2=13;

m1(b1,b2);

1

1

Question 11

What is the output of the code:

```
public class Demo {  
  
static void m1(Integer i1,Integer i2)  
{  
System.out.println("m1");  
}  
public static void main(String[] args) {
```

Byte b1=12,b2=13;

m1(b1,b2);

1

1

Question 12

What is the output of the code:

```
public class Demo {  
  
    static void m1(Number i1, INumber i2)  
    {  
        System.out.println("m1");  
    }  
    static void m1(Object i1, Object i2)  
    {  
        System.out.println("m2");  
    }  
  
    public static void main(String[] args) {  
  
        m1('a','b');  
    }  
}
```


Question 12

What is the output of the code:

```
public class Demo {  
  
    static void m1(Number i1, INumber i2)  
    {  
        System.out.println("m1");  
    }  
    static void m1(Object i1, Object i2)  
    {  
        System.out.println("m2");  
    }  
  
    public static void main(String[] args) {  
  
        m1('a','b');  
    }  
}
```