1	Jennie is a software developer in an MNC. In one of her projects, she wrote a program as:
	class TestQuestion {
	public static void main(String s[]) { Boolean a = new Boolean("false"); if(a) {
	System.out.println("false");
	}
	else { System.out.println("true");
	}
	}
	}
	What will be the output when the preceding program is compiled and executed?
	A. The program will display the output as: false
	B. The program will generate compilation error.
	C. The program will display the output as: True
	D. The program will throw a runtime exception.

2	Jyoti is a software developer in an MNC. In one of her projects she wrote a program as:
	public class TestQuestion{
	public static void main(String[] args) { String str = "PQR";
	int len = str.length(); switch (len) {
	case 1: System.out.println("January"); break; case 2: System.out.println("February"); break; case 3:
	System.out.println("March"); break;
	default: System.out.println("Invalid month.");break;
	}
	}
	}
	What will be the output when the preceding program is compiled and executed?
	A. The program will display the output as: March
	B. The program will generate compilation error.
	C. The program will display the output as: January
	D. The program will throw a runtime exception.

3	Kandy works as a Programmer for StrongNet Inc. She writes the following program:

```
class Test19 {
public int tester(String str) {
if(str == null || str.length() == 0) { System.out.println("empty");
return 0;
}
Else {
System.out.println("not empty"); return 1;
}
}
public static void main(String ar[]) { Test19 ob = new Test19(); ob.tester("hi");
ob.tester("");
}
}
```

What will happen when she tries to compile and execute the preceding program?
A. It will produce the output as: not empty
empty not empty
B. It will produce the output as: not empty
C. It will give compilation error.
D. It will throw a runtime exception. |
| 4 | Neha works as a programmer in the ABC Company and she has written the following program:
```
public class Foo {
public static void main(String s[]) { Integer i = new Integer(1) + new Integer(2);
switch(i) {
case 3: System.out.println("three"); break; default: System.out.println("other"); break;
}
}
}
```
What will be the output when the preceding programis compiled and executed?
A. two B. three C. other D. program will not compile successfully. |

5	Imagine you work as a programmer in the ABC Company and you have written the following program:
	
	``java
	public class Foo {
	public static void main(String s[]) { String str = "null";
	if (str = null) { System.out.println("null");
	}
	else (str.length() == 0) { System.out.println("zero");
	} else { System.out.println("some");
	}
	}
	}
	``
	
	What will be the output when the preceding program is compiled and executed?
	A. zero B. sum C. other D. Program will not compile successfully.	

6	Hardy works as a Programmer for Blue Net Inc. He writes the following program:
	``java
	public class Test { private String col;
	public String getcolor() { return col; } public void setcolor(String d)
	{ col = d; }
	public static void changecol(Test Col11,String col) { Col11 = new Test();
	Col11.setcolor(col);
	}
	public static void main(String[] args) { Test i = new Test();
	i. setcolor("Red"); Test it2 = new Test(); it2.setcolor("green");
	changecol(it2,"white"); i.setcolor("pink"); changecol(it2,"Orange"); System.out.println(i.getcolor());
	System.out.println(it2.getcolor());
	}
	}
	``
	What will be the output when he tries to compile and execute the preceding program?
	A. It will display the output as: Orange green
	B. It will display the output as: Red pink
	C. It will display the output as:
	green Orange
	D. It will display the output as: white Red	

7	Nancy works as a Programmer for White Inc. She writes the following program:

```
class A {
private int val;
public void setVal( int val) { this.val = val; } public int getVal() { return val; }

}
class B { private A price;
public void setPrice( A price) { this.price= price; } public A getPrice() { return price; }
}
public class Test {
public static void main( String[] args) { B o = new B();
A i = new A(); int n=1;
i. setVal(n); o.setPrice(i); o.getPrice().setVal( 104);
i = new A(); i.setVal(105); o.setPrice(i);
System.out.println( o.getPrice().getVal());
}
}
```

What will happen when she tries to compile and execute the preceding program?
A. It will produce the output as: 105   B. It will produce the output as: 104
C. It will give compilation error. D. It will throw a runtime exception.

8	Jude works as a Programmer for TimeNet Inc. She writes the following program:

```
class First { private int val;
public First(int val) { this.val=val;
}
public void setVal(int val) { this.val = val;
}
public int getVal() { return val; }
}
public class C15 {
static First fun(First f){ f=new First(100);
return f;
}
public static void main( String[] args) {

First f = new First(345); System.out.print(f.getVal()+" "); First f1=fun(f);
System.out.print(f1.getVal()+" "); f=fun(f1); System.out.print(f1.getVal()+" ");
}
}
```

What will happen when she tries to compile and execute the preceding program?
A. It will produce the output as: 345 100 100
B. It will produce the output as: 345 345 100
C. It will produce the output as: 100 100 100
D. It will generate a compilation error. |
| 9 | Ria works as a Programmer for TimeNet Inc. She writes the following program:

```
public class Test {
static public void main(String rat[]) { for(int z=2 ; z<rat.length;z++) { System.out.print(rat[z] + " ");
}
}
}
```

What will happen if she tries to execute the preceding program by writing the following command line argument?

java Test 456
A. It will display the output as: 6
B. It will display the output as:456
C. It will throw a runtime exception.
D. It will compile and execute but does not   display anything as output. |

10	Sarah works as a Programmer for Globus Inc. She writes the following program:
	``
	public class Ten {
	static public void main(String rock[]) { for(int q=rock.length;q>0;q--) { System.out.print(rock[q] + " ");
	}
	}
	}
	``
	What will be the output if she tries to execute the preceding program by writing the following command line argument?
	
	java Ten 123
	A. It will throw a runtime exception-ArrayIndexOutOfBoundsException.
	B. It will display the output as: 3 2 1
	C. It will display the output as: 3 2
	D. It will compile and execute successfully, but does not display anything as an output.

11	Peter works as a programmer in the ABC Company and has written the following program:
	
	``
	public class MyClass {
	public static void main(String s[]) { int x 0;
	int y = 10;
	do {
	y--;
	++x;
	} while (x < 5); System.out.print(x + "," + y);
	}
	}
	``
	What will be the output when the preceding program is compiled and executed?
	A. zero B. sum C. other D. Program will not compile successfully.

12	Imagine you work as a programmer in the ABC Company and you have written the following program:
	``
	class Next {
	public static void main(String s[]) { int x=12;
	while (x < 10) { x--;
	}
	System.out.print(x);
	}}
	``
	
	What will be the output when the preceding program is compiled and executed?
	A. 11 B. 12 C. 23 D. Program will not compile successfully.

13	Imagine you work as a programmer in the ABC Company and you have written the following program:
	``
class Test {
public static void main(String s[]) { int x = 10;
do {
System.out.println(x--);
}
while(x>10);
}
}
```
How many times will the value of x be printed after compilation and execution of the preceding program?
A. more than 10 B. 1 C. 2 D. Program will not compile successfully. |
| 14 | Imagine you work as a programmer in the ABC Company and you have written the following program:
```
class Test {
public static void main(String[] args) { for (int i = 0;i <=10;i++){
if(i > 6) break;
}
System.out.println(i);
}
}
```
What will be the output after compilation and execution of the preceding program?
A. 1 2 3 B. 1 2 3 4 C. 4 4 D. Program will not compile successfully. |
| 15 | Hari is a software developer in an MNC. In one of his projects, he wrote a program as:
```
class TestQuestion {
public static void main(String s[]) { int num1 = 0102;
int num2 = -10;
int operation = num1 % num2; System.out.println(+operation);
}
}
```
What will be the output when the preceding program is compiled and executed?
A. The program will display the output as: 6
B. The program will generate compilation error.
C. The program will display the output as:
-6
D. The program will throw a runtime exception |

| 16 | Uma is a student of computer science and has written a program as:<br><br>public class TestQuestion {<br>public static void main(String s[]) { boolean a;<br>boolean p = false; boolean q = false; if(a = p == q) {<br>System.out.println("equal");<br>}<br>else<br>System.out.println("not-equal");<br>}<br>}<br>What will be the output when the preceding code is compiled and executed?<br>A. The program will display the output as: equal<br>B. The program will generate compilation error.<br>C. The program will display the output as:  not-equal<br>D. The program will throw a runtime exception. |
|----|----|
| 17 | Jennie is a software developer in an MNC. In one of her projects, she wrote a program as:<br>class TestQuestion {<br>public static boolean funcA(int a) { boolean b = (a==10)?true:false; System.out.println(b);<br>return b;<br>}<br>public static void main(String args[]) { if(funcA(10) && funcA(5)) System.out.println("pass");<br>}<br>}<br>What will be the output when the preceding program is compiled and executed?<br>A. The program will display the output as: true<br>false<br>B. The program will generate compilation error.<br>C. The program will display the output as: pass<br>D. The program will throw a runtime exception. |

| 18 | In a popular workbook for programmers, a program was found written as: |
|---|---|
| | class TestQuestion {<br>public static void main(String s[]) { Integer i1 = new Integer(10);<br>Integer i2 = new Integer(10); System.out.println(i1==i2);<br><br>System.out.println(i1.hashCode() == i2.hashCode());<br>}<br>}<br>What will be the output when the preceding program is compiled and executed?<br>A. The program will display the output as: true<br>true                            B. The program will generate compilation error.<br>C. The program will display the output as:<br>true false<br>D. The program will display the output as: false false |
| 19 | Jennie is a software developer in an MNC. In one of her projects, she wrote a program as:<br>class TestQuestion {<br>public static void main(String s[]) { Integer i = new Integer(9); Integer j = new Integer(13);<br>Integer k = i + j; // error prior to JDK 1.5 System.out.println (k);<br>}<br>}<br>Which of the following reason is behind the successful execution of the preceding program?<br>A. Overloading B. Overriding C. Autoboxing D. Casting |