1. What will be the result of compiling and executing Wall class?

```
1.  public class Wall {
2.     public static void main(String args[]) {
3.        double area = 5.7;
4.        String color;
5.        if (area < 7)
6.           color = "green";
7.
8.        System.out.println(color);
9.     }
10. }
```

    A. green
    B. NullPointerException
    C. null
    D. Compilation error

2. What will be the result of compiling and executing Test class?

```
1.  public class Test {
2.     public static void main(String[] args) {
3.        int a = 7;
4.        boolean res = a++ == 7 && ++a == 9 || a++ == 9;
5.        System.out.println("a = " + a);
6.        System.out.println("res = " + res);
7.     }
8.  }
```

    A. a=9
       res=true

    B. Compilation error

    C. a=10
       res=false

    D. a=10
       res=true

3. Consider codes of 3 java files:

```
1.  //Class1.java
2.  package com.jack;
3.
4.  import java.io.FileNotFoundException;
5.
6.  public class Class1 {
7.      public void read() throws FileNotFoundException {}
8.  }
```

```
1.  //Class2.java
2.  package com.jack;
3.
4.  public class Class2 {
5.      String Class2;
6.      public void Class2() {}
7.  }
```

```
1.  //Class3.java
2.  package com.jack;
3.
4.  public class Class3 {
5.      private void print() {
6.          private String msg = "HELLO";
7.          System.out.println(msg);
8.      }
9.  }
```

Which of the following statement is true?

    A. Class1.java and Class2.java compile successfully
    B. Class2.java and Class3.java compile successfully
    C. Class1.java and Class3.java compile successfully
    D. Only Class2.java compile successfully
    E. Only Class1.java compile successfully
    F. Only Class3.java compile successfully

4. Consider below code:

```
1.  public class Test {
2.      public static void main(String[] args) {
3.          System.out.println("ONE");
4.      }
5.
6.      public static void main(Integer[] args) {
7.          System.out.println("TWO");
8.      }
9.
10.     public static void main(byte [] args) {
11.         System.out.println("THREE");
```

```
12.     }
13. }
```

What will be the result if Test class is executed by below command?

java Test 10

    A. THREE
    B. TWO
    C. Compilation error
    D. ONE

5. What will be the result of compiling and executing Test class?

```
1.  public class Test {
2.      public static void main(String[] args) {
3.          Boolean [] arr = new Boolean[2];
4.          System.out.println(arr[0] + ":" + arr[1]);
5.      }
6.  }
```

    A. true:true
    B. false:false
    C. null:null
    D. NullPointerException is thrown at runtime

6. Consider below code:

```
1.  public class Test {
2.      public static void main(String[] args) {
3.          StringBuilder sb = new StringBuilder();
4.          try {
5.              for(;;) {
6.                  sb.append("OCA");
7.              }
8.          } catch(Exception e) {
9.              System.out.println("Exception!!!");
10.         }
11.         System.out.println("Main ends!!!");
12.     }
13. }
```

What will be the result of compiling and executing Test class?

    A. Program terminates abruptly
    B. "Exception.!!!" is printed on the console and program terminates successfully
    C. "Main.!!!" is printed on the console and program terminates successfully

D. "Exception.!!!" and "Main ends!!!" is printed on the console and program terminates successfully
E. "Exception.!!!" is printed on the console and program terminates abruptly

7. Consider below code:

```
1.   //Test.java
2.   import java.util.ArrayList;
3.   import java.util.List;
4.
5.   public class Test {
6.       public static void main(String[] args) {
7.           Boolean [] arr = new Boolean[2];
8.           List<Boolean> list = new ArrayList<>();
9.           list.add(arr[0]);
10.          list.add(arr[1]);
11.
12.          if(list.remove(0)) {
13.              list.remove(1);
14.          }
15.
16.          System.out.println(list);
17.      }
18. }
```

What will be the result of compiling and executing Test class?

A. ArrayIndexOutOfBoundsException is throen at runtime.
B. Compilation error
C. [true]
D. [false]
E. []
F. NullPointerException is thrown at runtime

8. Which of the following is the correct package declaration to declare Test class in com. exam.oca package?

A. package com.exam.oca.Test;
B. package com.exam.oca;
C. package com.exam.oca.*;
D. Package com.exam.oca;

9. Which of the following will give you current system time?

Select 2 options.

A. System.out.println(LocalDate.now());
B. System.out.println(new LocalDateTime());
C. System.out.println(LocalDateTime.now());

D. System.out.println(new LocalTime());
E. System.out.println(LocalDate.now());
F. System.out.println(LocalTime.now());
G. System.out.println(new LocalDate());

10. What will be the result of compiling and executing DivModTest class?

```
1.
2.  public class DivModTest {
3.      public static void main(String[] args) {
4.          System.out.println( 23 / 2.0 );
5.          System.out.println( 23 % 2.0 );
6.      }
7.  }
```

A. 11.0
   1.0
B. 11.5
   1.0
C. 11
   1
D. 11.5
   0.0