Dashboard   Courses   PW   Job   Experience   Become   Hall
                            Skills   Portal   Portal   an   of   Savan
                            Lab   affiliate   Fame

Core Java   29 out of 30 correct

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1. **Predict the output:**

```
public class ExampleWhile{

    public static void main(String args[]){

        while(1){

            System.out.println("hello");

        }

    }

}
```

○   CompileTime Error

○   Infinite times hello

○   hello

○   some problem by jvm during execution

2. **Predict the output:**

```
public class ExampleWhile{

    public static void main(String args[]){

        while(true){

            System.out.println("hello");

        }

    }

}
```

○   CompileTime Error

○ Infinite times hello

○ hello

○ some problem by jvm during execution

3. **What is the result?**

```java
public class ExampleWhile{
    public static void main(String args[]){
        while(true)
            int x= 10;
            System.out.println(x);



        }
    }
```

○ CompileTime Error

○ some problem by jvm during execution

○ 10

○ None of the above

4. **Predict the Output:**

```java
public class ExampleFor{
    public static void main(String args[]){
        int i=0;
        for(System.out.println("hello u r sleeping");i<3;i++){
            System.out.println("no boss, u only sleeping");
        }
    }
```

}

○   Compile Time Error

○   Some problem occured by jvm during execution

○   hello u r sleeping

○   no boss, u only sleeping

○   hello u r sleeping

    No boss, u only sleeping

    No boss, u only sleeping

    No boss, u only sleeping

5. **Predict the Output:**

```
public class Test {
        public static void main(String[] args) {
                String s ="java";
                System.out.println(s.equals("JAVA"));
                System.out.println(s.equalsIgnoreCase("JAVA"));
        }
}
```

○   false//true.

○   true//false.

○   true//true.

○   false//false.

6. **Predict the Output:**

public class Test {

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

String s = "VikramKhandelwal";

s.length();

System.out.println();

s.substring(9);

s.substring(0, 8);

System.out.println(s.substring(0, 9));

}

}
```

○ CompileTime Error

○ VikramKhande

○ VikramKhandelwal

○ VikramKha

7. **Predict the Output:**

```
public class Test {

public static void main(String[] args) {

String name = "sbchin";

System.out.println(name.replace('b', 'a'));

String data = "ababab";

System.out.println(data.replace('a', 'b'));

}

}
```

○ sbchin//ababab

○ ababab//sbchin

○ sachin//bbbbbb

○ bbbbbb//sachin.

8. **What is the result?**

```
public class Test {
public static void main(String[] args) {
int data[] = { 2010, 2013, 2014, 2015, 2014 };
int key = 2014;
int count = 0;
for (int e : data) {
if (e != key) {
continue;
count++;
}
}
System.out.println(count + " found");
}
}
```

○   some problem by jvm during execution

○   Compilation fails

○   0 found

○   3 found

9. **What is the result?**

```
public class Test {
public static void main(String[] args) {
String[] arr = { "A", "B", "C", "D" };
for (int i = 0; i < arr.length; i++) {
System.out.print(arr[i] + " ");
if (arr[i].equals("C"))
continue;
```

```
System.out.println("Work done");

break;

}

}

}
```

○ A B C Work done

○ A B C D Work done

○ A Work done

○ Compilation fails

10. **Predict the Output:**

```
class Test {

public static void main(String[] args) {

Long x = 42L;

Long y = 44L;

System.out.print(" " + 7 + 2 + " ");

System.out.print(foo() + x + 5 + " ");

System.out.println(x + y + foo());

}

static String foo() {

return "foo";

}

}
```

○ 9 foo47 86foo

○ 72 foo47 86foo

○ 9 foo425 86foo

○   72 foo425 86foo

11. **Which is true about the value of mask and the value of count at line 10?**

3. public class Spock {

4.   public static void main(String[] args) {

5.   int mask = 0;

6.   int count = 0;

7.   if(((5<7) || (++count < 10)) | mask++ < 10) mask = mask + 1;

8.   if((6 > 8) ^ false) mask = mask + 10;

9.   if(!(mask > 1) && ++count > 1) mask = mask + 100;

10.   System.out.println(mask + " " + count);

11.   }

12. }

○   mark= 0 count =2

○   mark= 2 count =2

○   mark= 2 count =0

○   mark= 0 count =0

12. **Which of the following error can a compiler check?**

○   Syntax Error

○   Logical Error

○   Both Logical and Syntax Error

○   Compiler cannot check errors

13. **What does the term "loading" refer to in the context of computing?**

○   Storing data permanently

○ Retrieving data into the computer's memory

○ Executing a program

○ Deleting data

14. **What will be the output of the following code?**

System.out.println("Hello\tWorld");

○ Hello World

○ Hello World (with a tab space)

○ Hello World (with a new line)

○ Hello World

15. **How do you declare and initialize an integer variable x in Java?**

○ int x;

○ int x = 10;

○ int x : 10;

○ x = 10;

16. **What will be the value of x after the following code?**

int x = 5;

x++;

++x;

○ 5

○ 7

○ 6

○ 8

17. **If int x = 17, y = 4;, what is the value of x % y?**

○ 4

○ 1

○ 3

○ 0

18. **If double radius = 3.5;, what is the expression for the area of a circle (A = πr²)?**

○   3.5 * 3.5 * Math.PI

○ 3.5 * Math.PI

○ Math.PI * Math.PI * 3.5

○ 2 * Math.PI * 3.5

19. **What is the result of num += 5; if num is initially 10?**

```
public class VariablesExample {
    public static void main(String[] args) {
    // Declaration and initialization
     int num = 10;

      // Printing the variable
      System.out.println("The value of num: " + num);

        // Updation using assignment operators
        num += 5;  // num = num + 5;
```

System.out.println("Updated value of num: " + num);

   }

  }

○ 15

○ 10

○ 50

○ 5

20. **What is the result of the expression true && false?**

○ true

○ false

○ 1

○ 0

21. **How is user input taken in Java?**

○ System.in.read(input);

○ input(System.in);

○ Scanner sc = new Scanner(System.in);

○ System.read(input);

22. **What is the Unicode value of the character 'A' in Java?**

○ 65

○ 66

○ 97

○ 98

23. **Predict the output:**

11. public class Person {

12.   String name = "No name";

13.   public Person(String nm) { name = nm; }

14.   }

15.

16.   public class Employee extends Person {

17.   String empID = "0000";

18.   public Employee(String id) { empID = id; }

19. }

20.

21.   public class EmployeeTest {

22.   public static void main(String[] args){

23.   Employee e = new Employee("4321");

24.   System.out.println(e.empID);

25. }

26. }

○   4321

○   0000

○   An exception is thrown at runtime.

○   Compilation fails because of an error in line 18.

24. **What is the result?**

Given:

1. class Atom {

2.   Atom() {super(); System.out.print("atom "); }

3 . }

4. class Rock extends Atom {

5.   Rock(String type) { super(); System.out.print(type); }

6. }

7. public class Mountain extends Rock {

8   .Mountain() {

9.   super("granite ");

10.   new Rock("granite ");

11.}

12 .public static void main(String[] a) { new Mountain(); }

13.}

○   Compilation fails.

○   atom granite

○   atom granite granite

○   atom granite atom granite

25. **Which is true?**

5.   class Building { }

6.   public class Barn extends Building {

7.   public static void main(String[] args) {

8.   Building build1 = new Building();

9.   Barn barn1 = new Barn();

10.   Barn barn2 = (Barn) build1;

11.   Object obj1 = (Object) build1;

12.   String str1 = (String) build1;

13.   Building build2 = (Building) barn1;

14.   }

15. }

○   If line 10 is removed, the compilation succeeds.

○   If line 11 is removed, the compilation succeeds.

○ If line 12 is removed, the compilation succeeds.

○ If line 13 is removed, the compilation succeeds.

26. **What will be the result of the given code?**

```java
public class Test {
public static void main(String[] args) {
StringBuilder sb = new StringBuilder();
try {
for (;;) {
sb.append("PWSkills");

}
} catch (Exception e) {
System.out.println("Exception!!!");
}
System.out.println("Main ends!!!");
}
}
```

○ "Main ends!!!" printed on the console and program terminates
succesfully.

○ "Exception!!!" and "Main ends!!!" printed on the console and program
terminates

succesfully.

○ Program terminates abruptly.

○ "Exception!!!" is printed on the console and program terminates
abnormally.

27. **Guess the correct answer**

```java
interface DoStuff2 {
float getRange(int low, int high);
```

```
}

interface DoMore {

float getAvg(int a, int b, int c);

}

abstract class DoAbstract implements DoStuff2, DoMore {

}// line-10

class DoStuff implements DoStuff2 {// line-12

public float getRange(int x, int y) {

return 3.14f;

}

}// line-16

interface DoAll extends DoMore {// line-18

float getAvg(int a, int b, int c, int d);

}
```

○   The file will compile without error.

○   Compilation fails. Only line 7 contains an error.

○   Compilation fails. Only line 12 contains an error.

○   Compilation fails. Only lines 7 and 12 contain errors.

28. **What is the result?**

```
public class Yikes {

public static void go(Long n) {

System.out.print("Long ");

}

public static void go(Short n) {
```

```
System.out.print("Short ");

}


public static void go(int n) {

System.out.print("int ");

}


public static void main(String[] args) {

short y = 6;

long z = 7;

go(y);

go(z);

}

}
```

○   int Long

○   Short Long

○   Compilation fails.

○   An exception is thrown at runtime.

29.   **What will be the output?**


```
class Alpha {

public void foo() {

System.out.print("Afoo ");

}

}


public class Beta extends Alpha {

public void foo() {

System.out.print("Bfoo ");
```

```
}


public static void main(String[] args) {

Alpha a = new Beta();

Beta b = (Beta) a;

a.foo();


b.foo();

}

}
```

○ Bfoo Bfoo

○ Afoo Bfoo

○   Bfoo Afoo

○ Afoo Afoo

30. **What is the result?**

```
public class Venus {

public static void main(String[] args) {


int[] x = { 1, 2, 3 };

int y[] = { 4, 5, 6 };

new Venus().go(x, y);

}


void go(int[]... z) {

for (int[] a : z)

System.out.print(a[0]);

}

}
```

○   14

○ 12

○ An exception is thrown at runtime.

○ 123

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