

## Java Assessment 2

- What is the correct syntax to declare a variable in Java?

**Marked Answer :**

**int name;**

**Correct Answer :**

**int name;**

Total Marks : 1MARKS OBTAINED 1

- Which of the following is a primitive data type in Java?

**Marked Answer :**

**Boolean**

**Correct Answer :**

**Boolean**

Total Marks : 1MARKS OBTAINED 1

- What is the output of the following code?

**String name = “John”;**

**System.out.println(name.length());**

**Marked Answer :**

**4**

Total Marks : 1MARKS OBTAINED 0

- What is the syntax for a do-while loop in Java?

**Marked Answer :**

**do { } while (condition);**

**Correct Answer :**

**do { } while (condition);**

Total Marks : 1MARKS OBTAINED 1

- What is the result of the following code?

**int a = 10;**

**int b = 5;**

**int result = a + b \* 2;**

**System.out.println(result);**

**Marked Answer :**

25

**Correct Answer :**

25

Total Marks : 1MARKS OBTAINED 1

- What is a method in Java?

**Marked Answer :**

A block of code that performs a specific task

**Correct Answer :****A block of code that performs a specific task**

Total Marks : 1MARKS OBTAINED 1

- What is the difference between a method and a function in Java?

**Marked Answer :**

A method is defined inside a class, a function is not

**Correct Answer :****A method is defined inside a class, a function is not**

Total Marks : 1MARKS OBTAINED 1

- What is the correct way to call a method in Java?

**Marked Answer :**

methodName();

**Correct Answer :****methodName();**

Total Marks : 1MARKS OBTAINED 1

- What is the output of the following code?

int num = 5;

while (num &gt; 0) {

System.out.println(num);

num--;

}

**Marked Answer :**

5 4 3 2 1

**Correct Answer :****5 4 3 2 1**

Total Marks : 1MARKS OBTAINED 1

- What is the result of the following code?

```
String str1 = "Hello";
String str2 = "World";
String str3 = str1 + " " + str2;
System.out.println(str3);
```

**Marked Answer :****"Hello World"****Correct Answer :****"Hello World"**

Total Marks : 1MARKS OBTAINED 1

- What is the output of the following Java code snippet?

```
int x = 5;
int y = ++x * 3 + x--;
System.out.println("x = " + x + " y = " + y);
```

**Marked Answer :****x = 4, y = 21****Correct Answer :****x = 4, y = 21**

Total Marks : 1MARKS OBTAINED 1

- What is the output of the following Java code snippet?

```
int a = 10;
int b = 20;
if (a == b) {
    System.out.println("a is equal to b");
} else if (a > b) {
    System.out.println("a is greater than b");
} else {
    System.out.println("a is less than b");
```

}

**Marked Answer :**

a is less than b

**Correct Answer :**

**a is less than b**

Total Marks : 1 MARKS OBTAINED 1

- What is the output of the following Java code snippet?

```
int day = 5;
```

```
String dayName;
```

```
switch (day) {
```

```
    case 1:
```

```
        dayName = "Sunday";
```

```
        break;
```

```
    case 2:
```

```
        dayName = "Monday";
```

```
        break;
```

```
    case 3:
```

```
        dayName = "Tuesday";
```

```
        break;
```

```
    case 4:
```

```
        dayName = "Wednesday";
```

```
        break;
```

```
    case 5:
```

```
        dayName = "Thursday";
```

```
        break;
```

```
    case 6:
```

```
        dayName = "Friday";
```

```
        break;
```

```
    case 7:
```

```
        dayName = "Saturday";
```

```
        break;
```

default:

```
dayName = "Invalid day";  
break;  
}
```

```
System.out.println("Day name: " + dayName);
```

**Marked Answer :**

Day name: Thursday

**Correct Answer :**

**Day name: Thursday**

Total Marks : 1MARKS OBTAINED 1

- What is the output of the following Java code snippet?

```
int[] numbers = {1, 2, 3, 4, 5};  
  
int sum = 0;  
  
for (int i = 0; i < numbers.length; i++) {  
  
    sum += numbers[i];  
  
}  
  
System.out.println("Sum: " + sum);
```

**Marked Answer :**

Sum: 15

**Correct Answer :**

**Sum: 15**

Total Marks : 1MARKS OBTAINED 1

- What is the output of the following Java code snippet?

```
String str = "Hello World";  
  
System.out.println("Length: " + str.length());  
  
System.out.println("Substring: " + str.substring(6));  
  
System.out.println("Index of 'W': " + str.indexOf('W'));
```

**Marked Answer :**

Length: 11, Substring: World, Index of 'W': 6

**Correct Answer :**

**Length: 11, Substring: World, Index of 'W': 5**

Total Marks : 1MARKS OBTAINED 0

- What is the output of the following Java code snippet?

```
int x = 5;  
if (x < 10) {  
    System.out.println("x is less than 10");  
} else {  
    System.out.println("x is greater than or equal to 10");  
}
```

**Marked Answer :**

x is less than 10

**Correct Answer :**

**x is less than 10**

Total Marks : 1MARKS OBTAINED 1

- What is the output of the following Java code snippet?

```
int[] numbers = {1, 2, 3, 4, 5};  
int sum = 0;  
for (int i = 0; i < numbers.length; i++) {  
    if (i % 2 == 0) {  
        sum += numbers[i];  
    }  
}  
System.out.println("Sum: " + sum);
```

**Marked Answer :**

Sum: 9

**Correct Answer :**

**Sum: 10**

Total Marks : 1MARKS OBTAINED 0

- What is the output of the following Java code snippet?

```
String[] fruits = {"apple", "banana", "orange"};  
for (String fruit : fruits) {  
    System.out.println(fruit);
```

```
}
```

**Marked Answer :**

apple, banana, orange

**Correct Answer :**

**apple, banana, orange**

Total Marks : 1MARKS OBTAINED 1

- What is the output of the following Java code snippet?

```
String str1 = "Hello";
```

```
String str2 = "World";
```

```
String str3 = str1.concat(str2);
```

```
System.out.println("Concatenated string: " + str3);
```

**Marked Answer :**

Concatenated string: HelloWorld

**Correct Answer :**

**Concatenated string: HelloWorld**

Total Marks : 1MARKS OBTAINED 1

- What is the output of the following Java code snippet?

```
int x = 5;
```

```
while (x < 10) {
```

```
    System.out.println("x is less than 10");
```

```
    x++;
```

```
}
```

```
System.out.println("x is now " + x);
```

**Marked Answer :**

None of the above

**Correct Answer :**

**x is less than 10, x is now 10**

Total Marks : 1MARKS OBTAINED 0

- What is OOPS?

**Marked Answer :**

Object Oriented Programming System

**Correct Answer :****Object Oriented Programming System**

Total Marks : 1MARKS OBTAINED 1

- Which of the following is not an object-oriented programming concept?

**Marked Answer :**

Exception Handling

**Correct Answer :****Exception Handling**

Total Marks : 1MARKS OBTAINED 1

- Which of the following is not a primitive data type in Java?

**Marked Answer :**

string

**Correct Answer :****string**

Total Marks : 1MARKS OBTAINED 1

- What is the default value of an integer data type in Java?

**Marked Answer :**

0

**Correct Answer :**

0

Total Marks : 1MARKS OBTAINED 1

- What is the use of the keyword “static” in Java?

**Marked Answer :**

It indicates that a variable or method is related to the class and not to any instance of the class

**Correct Answer :**

**It indicates that a variable or method is related to the class and not to any instance of the class**

Total Marks : 1MARKS OBTAINED 1

- Which of the following is not a type of inheritance in Java?

**Marked Answer :**

Multiple inheritance

**Correct Answer :**

**Multiple inheritance**

Total Marks : 1MARKS OBTAINED 1

- What is the purpose of the “super” keyword in Java?

**Marked Answer :**

It is used to call the constructor of the superclass

**Correct Answer :**

**It is used to call the constructor of the superclass**

Total Marks : 1MARKS OBTAINED 1

- What is the purpose of the “this” keyword in Java?

**Marked Answer :**

It is used to refer to the current object

**Correct Answer :**

**It is used to refer to the current object**

Total Marks : 1MARKS OBTAINED 1

- What is polymorphism in Java?

**Marked Answer :**

It is the ability of an object to take on many forms

**Correct Answer :**

**It is the ability of an object to take on many forms**

Total Marks : 1MARKS OBTAINED 1

- What is encapsulation in Java?

**Marked Answer :**

It is the process of hiding the implementation details and showing only the functionality to the user

**Correct Answer :**

**It is the process of hiding the implementation details and showing only the functionality to the user**

Total Marks : 1MARKS OBTAINED 1

- What is an array in Java?

**Marked Answer :**

A collection of related objects

**Correct Answer :**

**A collection of related objects**

Total Marks : 1MARKS OBTAINED 1

- How do you declare an array in Java?

**Marked Answer :**

int[] array = new int[];

**Correct Answer :**

**int[] array = new int[];**

Total Marks : 1MARKS OBTAINED 1

- What is the index of the first element in an array?

**Marked Answer :**

0

**Correct Answer :**

**0**

Total Marks : 1MARKS OBTAINED 1

- What is the purpose of the length property in Java arrays?

**Marked Answer :**

It returns the number of elements in the array

**Correct Answer :**

**It returns the number of elements in the array**

Total Marks : 1MARKS OBTAINED 1

- How do you access a specific element in an array?

**Marked Answer :**

array[element]

**Correct Answer :**

**array[element]**

Total Marks : 1MARKS OBTAINED 1

- What is an array index out of bounds exception?

**Marked Answer :**

An error that occurs when you try to access an element of an array that doesn't exist

**Correct Answer :**

**An error that occurs when you try to access an element of an array that doesn't exist**

Total Marks : 1MARKS OBTAINED 1

- Can you change the size of an array after it has been declared?

**Marked Answer :**

No

**Correct Answer :**

No

Total Marks : 1MARKS OBTAINED 1

- What is a two-dimensional array in Java?

**Marked Answer :**

An array that can hold multiple rows and columns

**Correct Answer :**

**An array that can hold multiple rows and columns**

Total Marks : 1MARKS OBTAINED 1

- How do you initialize a two-dimensional array in Java?

**Marked Answer :**

All of the above

**Correct Answer :**

**All of the above**

Total Marks : 1MARKS OBTAINED 1

- What is a jagged array in Java?

**Marked Answer :**

An array that has a fixed number of rows but varying number of columns

**Correct Answer :**

**An array that has a fixed number of rows but varying number of columns**

Total Marks : 1MARKS OBTAINED 1

Total Marks **36 / 40**

**36/40**

Question 1

1

What is the correct syntax to declare a variable in Java?

var name;

String name;

int name;

Question 2

1

Which of the following is a primitive data type in Java?

String

Integer

Boolean

Question 3

1

What is the output of the following code?

String name = "John";

System.out.println(name.length());

3

4

5

## Question 4

1

What is the syntax for a do-while loop in Java?

while (condition) { }

do { } while (condition);

for (initialization; condition; increment) { }

---

## Question 5

1

What is the result of the following code?

```
int a = 10;
```

```
int b = 5;
```

```
int result = a + b * 2;
```

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

20

25

30

---

## Question 6

1

What is a method in Java?

A block of code that performs a specific task

A variable that stores data

A loop that repeats a set of instructions

---

## Question 7

1

What is the difference between a method and a function in Java?

- There is no difference, they are the same thing
- A function returns a value, a method does not
- A method is defined inside a class, a function is not

---

## Question 8

1

What is the correct way to call a method in Java?

- methodName;
- methodName();
- methodName(param1, param2);

---

## Question 9

1

What is the output of the following code?

```
int num = 5;  
while (num > 0) {  
    System.out.println(num);  
    num--;  
}
```

- 1 2 3 4 5
- 5 4 3 2 1
- 5

---

## Question 10

1

What is the result of the following code?

```
String str1 = "Hello";  
String str2 = "World";  
String str3 = str1 + " " + str2;  
System.out.println(str3);
```

"Hello World"

"HelloWorld"

"World Hello"

## Question 11

1

What is the output of the following Java code snippet?

```
int x = 5;  
int y = ++x * 3 + x--;  
System.out.println("x = " + x + " y = " + y);
```

x = 5, y = 20

x = 5, y = 21

x = 4, y = 21

x = 4, y = 20

## Question 12

1

What is the output of the following Java code snippet?

```
int a = 10;  
int b = 20;  
if (a == b) {  
    System.out.println("a is equal to b");
```

```
} else if (a > b) {  
    System.out.println("a is greater than b");  
}  
else {  
    System.out.println("a is less than b");  
}
```

a is equal to b

a is greater than b

a is less than b

None of the above

---

## Question 13

1

What is the output of the following Java code snippet?

```
int day = 5;  
  
String dayName;  
  
switch (day) {  
  
case 1:  
  
    dayName = "Sunday";  
  
    break;  
  
case 2:  
  
    dayName = "Monday";  
  
    break;  
  
case 3:  
  
    dayName = "Tuesday";  
  
    break;  
  
case 4:  
  
    dayName = "Wednesday";  
  
    break;  
  
case 5:  
  
    dayName = "Thursday";
```

```
break;  
  
case 6:  
  
    dayName = "Friday";  
  
    break;  
  
case 7:  
  
    dayName = "Saturday";  
  
    break;  
  
default:  
  
    dayName = "Invalid day";  
  
    break;  
  
}  
  
System.out.println("Day name: " + dayName);
```

Day name: Thursday

Day name: Invalid day

Day name: Friday

None of the above

## Question 14

1

What is the output of the following Java code snippet?

```
int[] numbers = {1, 2, 3, 4, 5};  
  
int sum = 0;  
  
for (int i = 0; i < numbers.length; i++) {  
  
    sum += numbers[i];  
  
}  
  
System.out.println("Sum: " + sum);
```

Sum: 10

Sum: 15

Sum: 20 None of the above

## Question 15

1

What is the output of the following Java code snippet?

```
String str = "Hello World";  
System.out.println("Length: " + str.length());  
System.out.println("Substring: " + str.substring(6));  
System.out.println("Index of 'W': " + str.indexOf('W'));
```

 Length: 11, Substring: World, Index of 'W': 6 Length: 11, Substring: World, Index of 'W': 5 Length: 10, Substring: World, Index of 'W': 6 Length: 10, Substring: World, Index of 'W': 5

## Question 16

1

What is the output of the following Java code snippet?

```
int x = 5;  
if (x < 10) {  
    System.out.println("x is less than 10");  
} else {  
    System.out.println("x is greater than or equal to 10");  
}
```

 x is less than 10 x is greater than or equal to 10 Compilation error

- None of the above

## Question 17

1

What is the output of the following Java code snippet?

```
int[] numbers = {1, 2, 3, 4, 5};  
  
int sum = 0;  
  
for (int i = 0; i < numbers.length; i++) {  
  
if (i % 2 == 0) {  
  
sum += numbers[i];  
  
}  
  
}  
  
System.out.println("Sum: " + sum);
```

Sum: 6

Sum: 9

Sum: 10

Sum: 11

## Question 18

1

What is the output of the following Java code snippet?

```
String[] fruits = {"apple", "banana", "orange"};  
  
for (String fruit : fruits) {  
  
System.out.println(fruit);  
  
}
```

apple, banana, orange

"apple", "banana", "orange"

[apple, banana, orange]

- None of the above

## Question 19

1

What is the output of the following Java code snippet?

```
String str1 = "Hello";  
String str2 = "World";  
String str3 = str1.concat(str2);  
System.out.println("Concatenated string: " + str3);
```

- Concatenated string: HelloWorld

- Concatenated string: Hello World

- Concatenated string: HelloWorld

- None of the above

## Question 20

1

What is the output of the following Java code snippet?

```
int x = 5;  
while (x < 10) {  
    System.out.println("x is less than 10");  
    x++;  
}  
System.out.println("x is now " + x);
```

- x is less than 10, x is now 10

- x is less than 10, x is now 9

- x is now 10

- None of the above

## Question 21

1

What is OOPS?

Object Oriented Programming System

Object Oriented Programming Solution

Object Oriented Programming Syntax

Object Oriented Programming Style

---

## Question 22

1

Which of the following is not an object-oriented programming concept?

Inheritance

Polymorphism

Exception Handling

Encapsulation

---

## Question 23

1

Which of the following is not a primitive data type in Java?

byte

short

int

string

---

## Question 24

1

What is the default value of an integer data type in Java?

0

1

null

-1

---

## Question 25

1

What is the use of the keyword “static” in Java?

It indicates that a variable or method is related to the class and not to any instance of the class

It indicates that a variable or method is related to an instance of the class and not to the class itself

It indicates that a variable or method is public and can be accessed from outside the class

It indicates that a variable or method is private and can only be accessed from within the class

---

## Question 26

1

Which of the following is not a type of inheritance in Java?

Single inheritance

Multiple inheritance

Multilevel inheritance

Hybrid inheritance

---

## Question 27

1

What is the purpose of the “super” keyword in Java?

- It is used to call the constructor of the superclass
- It is used to call the constructor of the subclass
- It is used to access the instance variables of the superclass
- It is used to access the instance variables of the subclass

---

## Question 28

1

What is the purpose of the “this” keyword in Java?

- It is used to call the constructor of the superclass
- It is used to call the constructor of the subclass
- It is used to access the instance variables of the superclass
- It is used to refer to the current object

---

## Question 29

1

What is polymorphism in Java?

- It is the ability of an object to take on many forms
- It is the process of hiding the implementation details and showing only the functionality to the user
- It is the process of creating multiple instances of a class
- It is the process of creating a new class from an existing class

---

## Question 30

1

What is encapsulation in Java?

- It is the ability of an object to take on many forms
- It is the process of hiding the implementation details and showing only the functionality to the user
- It is the process of creating multiple instances of a class
- It is the process of creating a new class from an existing class

---

## Question 31

1

What is an array in Java?

- A collection of unrelated objects
- A collection of related objects
- A collection of primitive data types
- A collection of wrapper classes

---

## Question 32

1

How do you declare an array in Java?

- int array = new int[];
- int[] array = new int[];
- array int = new int[];
- array[] int = new int[];

---

## Question 33

1

What is the index of the first element in an array?

0

1

-1

None of the above

---

## Question 34

1

What is the purpose of the length property in Java arrays?

It returns the number of elements in the array

It returns the sum of all the elements in the array

It returns the average value of all the elements in the array

It returns the maximum value of all the elements in the array

---

## Question 35

1

How do you access a specific element in an array?

array[element]

array[element-1]

array[element+1]

None of the above

---

## Question 36

1

What is an array index out of bounds exception?

- An error that occurs when you try to access an element of an array that doesn't exist
- An error that occurs when you try to access an element of an array that is too large
- An error that occurs when you try to access an element of an array that is too small
- An error that occurs when you try to access an element of an array that is not a valid data type

---

## Question 37

1

Can you change the size of an array after it has been declared?

- Yes
- No

---

## Question 38

1

What is a two-dimensional array in Java?

- An array that can hold multiple rows and columns
- An array that can hold only one row and multiple columns
- An array that can hold only one column and multiple rows
- An array that can hold only one row and one column

---

## Question 39

1

How do you initialize a two-dimensional array in Java?

- `int[][] array = {{1,2},{3,4}};`
- `int[][] array = {{1,2,3},{4,5,6},{7,8,9}};`

int[][] array = new int[3][3];

All of the above

## Question 40

1

What is a jagged array in Java?

An array that has a fixed number of rows and columns

An array that has a fixed number of rows but varying number of columns

An array that has a varying number of rows and columns

An array that can hold only one element