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 :

20

Correct Answer :

25

Total Marks : 1MARKS OBTAINED 0

- 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 > 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 : 1MARKS 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 :

x is less than 10, x is now 10

Correct Answer :

x is less than 10, x is now 10

Total Marks : 1MARKS OBTAINED 1

- 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
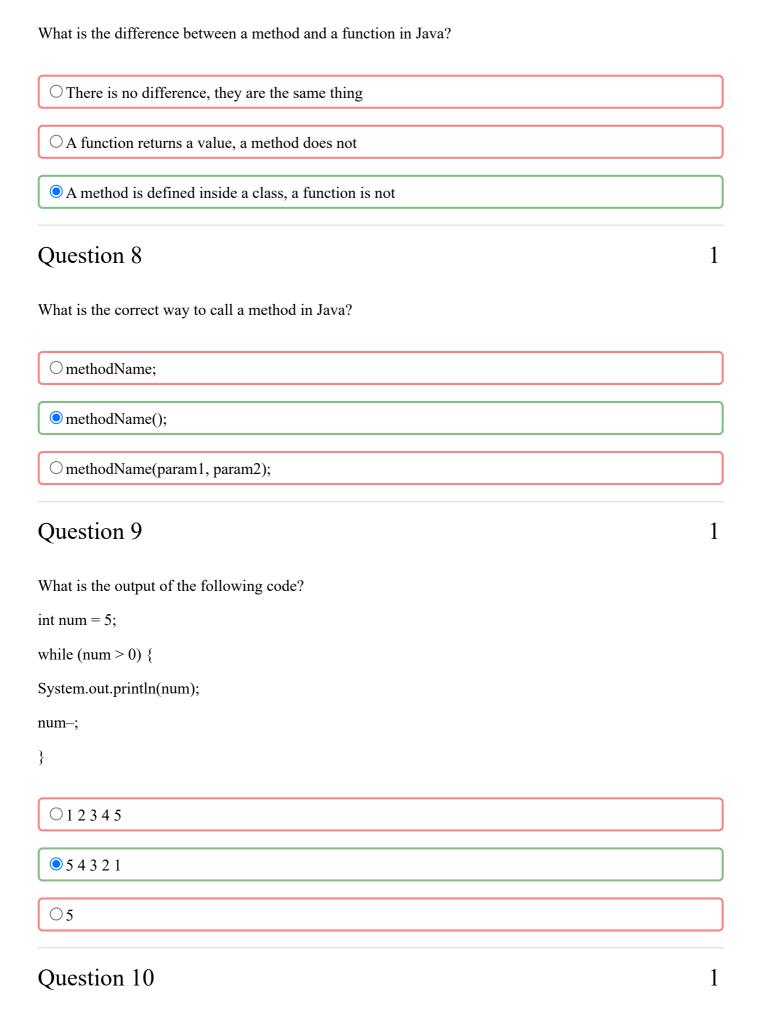
Question 4   1

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

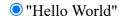## Question 10   1

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