

Quiz 1

- Due No due date
- Points 17
- Questions 17
- Available Oct 1, 2024 at 5pm - Oct 1, 2024 at 6pm 1 hour
- Time Limit 30 Minutes

Instructions

- This is a closed-book quiz.
- You have 30 minutes to answer all questions.
- Only one attempt is allowed; once you submit an answer, you cannot change it.
- The quiz covers concepts discussed in class.

This quiz is no longer available as the course has been concluded.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	15 minutes	16 out of 17

Score for this quiz: 16 out of 17

Submitted Oct 1, 2024 at 5:16pm

This attempt took 15 minutes.



Question 1

0 / 1 pts

What is the output of the following Java code?

```
public class Main {  
    public static void main(String[] args) {  
        System.out.println("Hello, World!");  
    }  
}
```

- ☐ The program does not print anything
- ☐ "Hello, Java!"

Correct Answer

- ☐ An error message

You Answered

☒ "Hello, World!"



Question 2

1 / 1 pts

What is the result of the following operation in Java?

9 / 2

- ☐ 4.5
- ☐ The operation will result in a compile-time error

Correct!

☒ 4

☐ 5



Question 3

1 / 1 pts

What is the output of the following Java code?

```
public class Main {  
    public static void main(String[] args) {  
        int a = 5; int b = 10;  
        int val = (a < b) ? a: b;  
        System.out.println(val);  
    }  
}
```

Correct!

- ☒ 5
- ☐ 10
- ☐ An error message
- ☐ The program does not print anything



Question 4

1 / 1 pts

Which of the following is not a valid way to create an array in Java?

Correct!

- ☒ `int arr[] = int[5];`
- ☐ `int arr[] = new int[5];`
- ☐ None
- ☐ `int arr[] = {1, 2, 3, 4, 5};`



Question 5

1 / 1 pts

What is the output of the following Java code?

```
public class Main {  
    public static void main(String[] args) {  
        int[] arr = {1,2,3,4,5};  
        for (int i = arr.length() - 1; i >= 0; i--) {  
            System.out.print(arr[i] + " ");  
        }  
    }  
}
```

Correct!

- ☒ An error message
- ☐ "5 4 3 2 "
- ☐ "1 2 3 4 5 "
- ☐ "5 4 3 2 1"



Question 6

1 / 1 pts

Which of the following is not a Java control statement?

- ☐ break
- ☐ continue
- ☐ return

Correct!

- ☒ stop



Question 7

1 / 1 pts

Which of the following is not a valid way to create a string in Java?

- ☐ String str = new String("Hello");
- ☐ String str = String.valueOf("Hello");

Correct!

- ☒ String str = String("Hello");
- ☐ String str = "Hello";



Question 8

1 / 1 pts

Which of the following is not a looping structure in Java?

- ☐ while
- ☐ do-while

Correct!

- ☒ loop-while
- ☐ for



Question 9

1 / 1 pts

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

- ☐ int

Correct!

- ☒ string
- ☐ float
- ☐ char



Question 10

1 / 1 pts

What is the output of the following Java code?

```
public class Main {  
    public static void main(String[] args) {  
        int a = 5;  
        int b = 5;  
        boolean c = a != b;  
        System.out.println(c);  
    }  
}
```

Correct!

- ☒ false
- ☐ An error message
- ☐ The program does not print anything
- ☐ true



Question 11

1 / 1 pts

Which of the following is not an advantage of using an array in Java?

Correct!

- ☒ It can grow in size after initialization
- ☐ It allows random access to elements
- ☐ It can store multiple values of the same type
- ☐ It is efficient for storing and retrieving data



Question 12

1 / 1 pts

Which of the following is not a wrapper class in Java?

Correct!

- ☒ String
- ☐ Boolean
- ☐ Character
- ☐ Integer



Question 13

1 / 1 pts

Which of the following is true of an instance variable in Java?

- ☐ A variable that's defined as static
- ☐ A variable that's defined inside a method
- ☐ A variable that's defined as final

Correct!

- ☒ A variable that's defined outside a method but within a class



Question 14

1 / 1 pts

What is the output of the following Java code?

```
public class Main {  
    public static void main(String[] args) {  
        String str = "Java is fun";  
        int index = str.indexOf("fun");  
        System.out.println(index);  
    }  
}
```

}

☐ 9

Correct!

☒ An error message☐ 8☐ 7

Question 15

1 / 1 pts

What is the purpose of a constructor in Java?

☐ To set the initial value of a variable☐ To call methods

Correct!

☒ To initialize an object immediately upon creation☐ To create a new object

Question 16

1 / 1 pts

What will be the output of the below program?

```

public class IncrementDecrementQuiz
{
    public static void main(String[] args)
    {
        int i= 0 ;
        i = i++ - --i + ++i - i--;
        System.out.println(i);
    }
}

```

Correct!

0

0 (with margin: 0)



Question 17

1 / 1 pts

What is the difference between a compiler and an interpreter?

Your Answer:

A compiler translates the java code to machine code and an interpreter translates executes the code (each and every line).

A **compiler** translates the entire source code into machine code before execution, producing an executable file. This process often results in faster execution time since the code is compiled beforehand. In contrast, an **interpreter** translates the source code line by line during execution, which allows for immediate feedback but can lead to slower performance since the code is being translated on the fly.

Quiz Score: 16 out of 17