

CLASS -10 (2026-27)  
INPUT IN JAVA  
CHAPTER 5

**Assignments:-**

**A. Tick (✓) the correct answer**

**Q1. Which of the following types of error will give the following code?**

```
for(int i=1; i>10; i++)
```

- a. Syntax
- b. Runtime
- c. Logical
- d. None of these

**Answer: c. Logical**

**Q2. The scanner `sc = new Scanner(System.in)` code will give a/an \_\_\_\_\_ error.**

- a. Syntax
- b. Runtime
- c. Logical
- d. None of these

**Answer: a. Syntax (*missing semicolon*)**

**Q3. \_\_\_\_\_ are non-executable statements used to explain the code.**

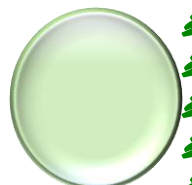
- a. Comments
- b. Errors
- c. Logical
- d. Keywords

**Answer: a. Comments**

**Q4. Which of the following is NOT used to write a comment?**

- a. /\*\*
- b. //
- c. /
- d. /\*

**Answer: c. /**



**Q5. Which of the following is used to input a float value using Scanner class?**

- a. next()
- b. nextInt()
- c. nextDouble()
- d. nextFloat()

**Answer:** d. nextFloat()

**Q6. Which of the following is the correct way to initialize an integer variable x with value 10 in Java?**

- a. int x = 10;
- b. int x := 10;
- c. let x = 10;
- d. x = 10;

**Answer:** a. int x = 10;

**Q7. Which of the following methods in Java is used to receive command-line arguments?**

- a. public static void start(int[] args)
- b. public static void start(String args)
- c. public static void main(int args)
- d. public static void main(String[] args)

**Answer:** d. public static void main(String[] args)

**Q8. Which package do you need to import to use the Scanner class in Java?**

- a. java.io
- b. java.util
- c. java.lang
- d. java.net

**Answer:** b. java.util

**Q9. What is the output of the following code if input is: "25 4.5 Hello"**

```
Scanner sc = new Scanner(System.in);
int a = sc.nextInt();
double b = sc.nextDouble();
String c = sc.next();
```

**Answer:**

a = 25  
b = 4.5  
c = Hello

## B. Fill in the blanks

Q1. Forgetting to put a semicolon at the end of a statement is a type of \_\_\_\_\_ error.

**Answer:** Syntax

Q2. An \_\_\_\_\_ is a situation in which the execution of a program stops abnormally.

**Answer:** Runtime error

Q3. \_\_\_\_\_ errors are also called semantic errors.

**Answer:** Logical

Q4. In Java, the \_\_\_\_\_ class is commonly used to read input from the user, and it includes methods such as \_\_\_\_\_ and \_\_\_\_\_ for reading different types of data.

**Answer:**  
Scanner, nextInt(), nextDouble()

Q5. We use \_\_\_\_\_ arguments to input values in String format in the main() method.

**Answer:** Command-line

## C. Answer the following questions

Q1. What is the difference between multiline comments and documentation comments?

**Answer:**

- **Multiline comment:** Used to comment multiple lines → `/* ... */`
- **Documentation comment:** Used for documentation of classes/methods → `/** ... */`

Q2. Write the syntax to input a short type value using Scanner class.

**Answer:**

```
short x = sc.nextShort();
```

Q3. What are the three types of errors?

**Answer:**

1. Syntax error
2. Runtime error
3. Logical error

**Q4. Define error. Give an example.**

**Answer:**

An error is a mistake in a program that causes incorrect or abnormal execution.

Example: Missing semicolon → Syntax error

**Q5. Write the difference between next() and nextLine().**

**Answer:**

- **next():** Reads only one word
- **nextLine():** Reads full line including spaces

## D. Assertion and Reasoning based questions

**Q1.**

Assertion: Comments in Java are compiled into bytecode

Reason: Comments are included for explanation

**Answer: c. A is false, but R is true**

**Q2.**

Assertion: java.lang package is automatically imported

Reason: It contains fundamental classes

**Answer: a. Both true and correct**

**Q3.**

Assertion: Scanner class is in java.util package

Reason: It must be imported

**Answer: a. Both true and correct**

**Q4.**

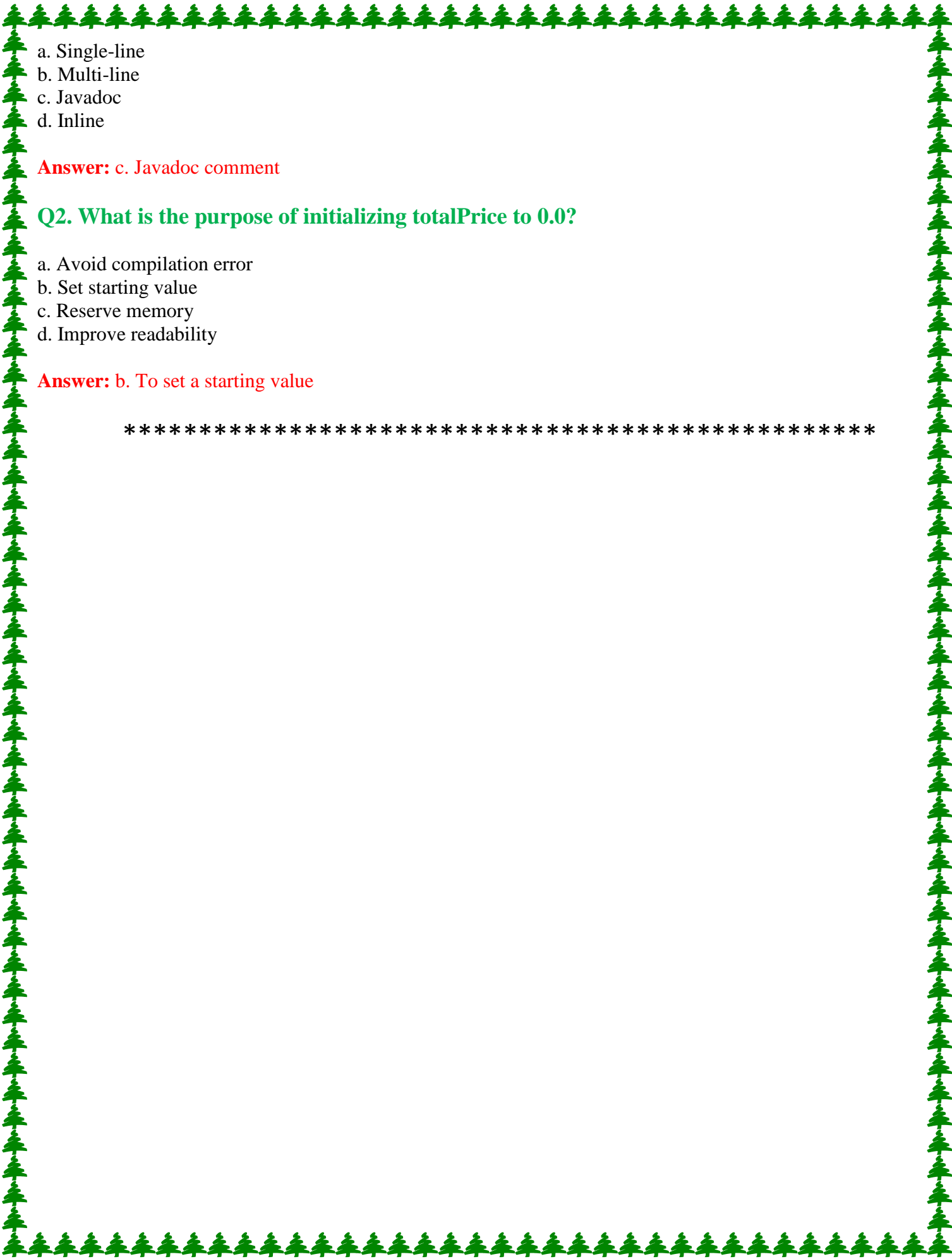
Assertion: Comments do not affect execution

Reason: Comments are ignored by compiler

**Answer: a. Both true and correct**

## E. Case-based questions

**Q1. What type of comment is Jake using and what is its purpose?**



- a. Single-line
- b. Multi-line
- c. Javadoc
- d. Inline

**Answer:** c. Javadoc comment

**Q2. What is the purpose of initializing totalPrice to 0.0?**

- a. Avoid compilation error
- b. Set starting value
- c. Reserve memory
- d. Improve readability

**Answer:** b. To set a starting value

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