

Weekly Java Question Bank for Students

Week 1 Test – First Programs

◆ MCQs (Choose the correct option)

1. Which method is always present in every Java program?

- a) start()
- b) main()
- c) run()
- d) println()

Answer: b) main()

2. Which symbol is used to end a statement in Java?

- a) :
- b) .
- c) ;
- d) ,

Answer: c) ;

◆ Fill in the Blanks

1. The keyword used to print output in Java is _____.

Answer: System.out.println

2. A Java program always starts execution from the _____ method.

Answer: main

◆ True / False

1. In Java, every program must be inside a class. (True)

2. System.out.print and System.out.println both print in a new line. (False)

◆ Small Program

Q: Write a program to print your name and school name.

Week 2 Test – Arithmetic Basics

◆ MCQs

1. Which operator is used for division in Java?
a) %
b) /
c) *
d) -
Answer: b) /
 2. `int a = 10, b = 3; System.out.println(a % b);` → Output?
a) 0
b) 1
c) 2
d) 3
Answer: c) 1
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◆ Fill in the Blanks

1. The symbol used for multiplication is _____.
****Answer: ****
 2. The operator % is called _____.
Answer: Modulus (Remainder) operator
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◆ True / False

1. `10 / 3` gives 3 as result in integer division. (True)
 2. In Java, addition is written as `add(a, b)`. (False)
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◆ Small Program

Q: Write a program to add, subtract, multiply and divide two numbers.

Week 3 Test – Working with Numbers

◆ MCQs

1. The square of 7 is:

- a) 14
- b) 49
- c) 21
- d) 77

Answer: b) 49

2. Which variable temporarily stores a value during swapping?

- a) swap
- b) temp
- c) result
- d) change

Answer: b) temp

◆ Fill in the Blanks

1. $n * n * n$ gives the _____ of n.

Answer: Cube

2. To swap two numbers, we need a _____ variable.

Answer: Temporary

◆ True / False

- 1. Cube of 2 is 6. (False)
 - 2. Double of 15 is 30. (True)
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◆ Small Program

Q: Write a program to find square, cube, and double of your roll number.

Week 4 Test – Area and Perimeter

◆ MCQs

1. Formula for area of a rectangle?

- a) $l + w$
- b) $l * w$
- c) $2(l + w)$
- d) $2lw$

Answer: b) $l * w$

2. Formula for area of circle?

- a) πr
- b) $2\pi r$
- c) πr^2
- d) r^2

Answer: c) πr^2

◆ Fill in the Blanks

1. Perimeter of a square = _____.

Answer: $4 \times \text{side}$

2. Area of rectangle = _____.

Answer: $\text{length} \times \text{width}$

◆ True / False

1. The formula of perimeter of rectangle is $2(l + w)$. (True)

2. π (pi) value is exactly 3.14. (False, it is approximate).

◆ Small Program

Q: Write a program to calculate area and perimeter of a rectangle.

Week 5 Test – Simple Applications

◆ MCQs

1. Formula of Simple Interest is:

- a) $P \times R \times T$
- b) $(P \times R \times T) / 100$
- c) $(P + R + T) / 100$

d) None

Answer: b) $(P \times R \times T) / 100$

2. The average of 10, 20, 30 is:

a) 15

b) 20

c) 25

d) 30

Answer: b) 20

◆ Fill in the Blanks

1. To find average of three numbers, we add them and divide by _____.

Answer: 3

2. In SimpleInterest program, P stands for _____.

Answer: Principal

◆ True / False

1. Average of 5, 10, 15 is 10. (True)

2. Simple Interest formula has division by 10. (False, division by 100).

◆ Small Program

Q: Write a program to calculate Simple Interest.

Week 6 Test – Using If Conditions

◆ MCQs

1. In `if (a > b)`, if `a=10` and `b=5`, then:

a) a is smaller

b) b is greater

c) a is greater

d) Equal

Answer: c) a is greater

2. Which operator is used for checking even/odd?

- a) /
- b) %
- c) *
- d) ==

Answer: b) %

◆ Fill in the Blanks

1. `if (n % 2 == 0)` means number is _____.

Answer: Even

2. In decision making, Java uses the keyword _____.

Answer: if

◆ True / False

- 1. Every `if` statement must have an `else`. (False)
 - 2. A number divisible by 2 is always even. (True)
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◆ Small Program

Q: Write a program to check whether a number is even, odd, or negative.

✓ With these **weekly tests**, we can check if we understood the programs and formulas step by step.