QSpiders|JSpiders|PySpiders, NOIDA

B-4, Block-B, Sector-3, Noida

Conditional Operator Programming Questions by Shambhu Sir

@javac_java

Monday, 11 August 2025

@kumarsam07

Q1

```
int a = 5, b = 10;
int c = (a > b) ? a++ : b++;
System.out.println(a + " " + b + " " + c);
```

a) 5 11 5   b) 6 10 6

c) 5 11 10   d) 6 11 10

Conditional Operator based Programming

Q2

What is the output of the program:

int a = 3, b = 4, c = 5;

int result = (a > b) ? (a > c ? a : c) : (b > c ? b : c);

System.out.println(result);

a) 3   b) 4   c) 5   d) 6

Conditional Operator based Programming

Q3

What is the output of the program:

```
int x = 10;

int y = 5;

int z = (x > y) ? (x < 15 ? x : y) : (x > 5 ? y : x);

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

a) 10   b) 5   c) 15   d) none

Conditional Operator based Programming

Q4

What is the output of the below program?

int x = 10;

int y = 5;

int z = 7;

int result = (x < y) ? (y < z ? z : y) : x;

System.out.println(result);

a) 10

b) 5

c) 7

d) Compilation error

Conditional Operator based Programming

Q5

What is the output of the below program?

int a = 1, b = 2, c = 3;

int result = a < b ? a < c ? c : a : b;

System.out.println(result);

a) 1   b) 2   c) 3   d) Compile Time Error

Conditional Operator based Programming

Q6

What is the output of the below program?

int a = 5;

int b = 10;

int c=(a>b) ? b++ : (a<b ? --b : b) ;

System.out.println(c);

a) 5

b) 6

c) 10

d) 9

Conditional Operator based Programming

Q7

What is the output of the below program?

int val=10;

int result=(value>5) ? (value<8?1:2) : 3;

System.out.println(result);

a) 1

b) 2

c) 3

d) Compilation error

Conditional Operator based Programming

Q8

What is the output of the below program?

int x=5, y=7, z=3;

int result=(x>y) ? (x>z? x:z) : (y>z ? y:z);

System.out.println(result);

a) 5

b) 7

c) 3

d) Compilation error

Important Don't leave it..!!

Conditional Operator based Programming

Q9

What is the output of the below program?

int x=5, y=7, z=3;

int result=(x<y) ? (x<z? x:z) : (y<z ? y:z);

System.out.println(result);

a) 5

b) 7

c) 3

d) Compilation error

Important Don't leave it..!!

Conditional Operator based Programming

Q10

WAJP to check and print the given number is an even number or not.

Conditional Operator based Programming

Q11

WAJP to check and print the given +ve number is a three digit number or not.

Conditional Operator based Programming

Q12

WAJP to check and print the given number is divisible by both 3 and 5 or only by 3, only by 5 or None.

Conditional Operator based Programming

Q13

For given numbers x and y. check whether y is a factor of x or not.

Input: x=12,   y=4

Output: x is a factor of y

Conditional Operator based Programming

Q14

WAJP to check whether the three sides of a triangle is valid or not.

Important
Don't leave it..!!

Conditional Operator based Programming

Q15

WAJP to check whether the given character is an upper case alphabet or not.

Conditional Operator based Programming

Q16

WAJP to check whether the given character is a lower case alphabet or not.

Conditional Operator based Programming

Q17

WAJP to check whether the given character is an alphabet or not.

Important
Don't leave it..!!

Conditional Operator based Programming

Q18

Given a character, check if it's uppercase, lowercase, digit or special character.

Conditional Operator based Programming

Q19

WAJP to print the bigger of two numbers.

Important
Don't leave it..!!

Conditional Operator based Programming

Q20

WAJP to print the smaller of two numbers.

Important Don't leave it..!!

Conditional Operator based Programming

Q21

WAJP to print the biggest of three numbers.

Important Don't leave it..!!

Conditional Operator based Programming

Q22

WAJP to print the smallest of three numbers.

Important Don't leave it..!!

Conditional Operator based Programming

Q23

WAJP to print the biggest of four numbers.

Conditional Operator based Programming

Q24

WAJP to print the smallest of four numbers.

Conditional Operator based Programming

Q25

Print if a year is a leap year or NOT using only conditional operator.

Conditional Operator based Programming

Q26

Test the Rank of a student

int marks = 72;

Output: "Distinction" (>=75), "First Class" (>=60), "Second Class" (>=50), "Pass" (>=35), "Fail"

Conditional Operator based Programming

Q27

Given three numbers, print them in sorted order (ascending)

int a = 9, b = 2, c = 7;

// Output: 2 7 9

Conditional Operator based Programming

Q28

Return second largest of three distinct numbers using ternary operator only.

Very Important Don't leave it..!!

Conditional Operator based Programming

Q29

Nim Game

Conditional Operator based Programming

Q30

Statement: There are n coins. Each turn you can take 1 or 2 coins. What is the logic that the first person will win?

Conditional Operator based Programming

Q31

Divisor Game

Conditional Operator based Programming

Q32

Bulb Switcher