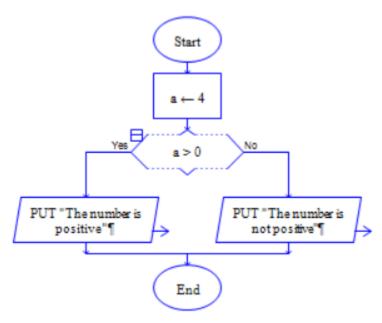
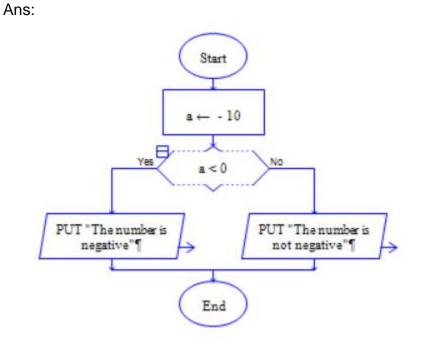
1)Write a Java program that checks if a predefined number is positive using an if-else statement and prints the appropriate message.

Ans:



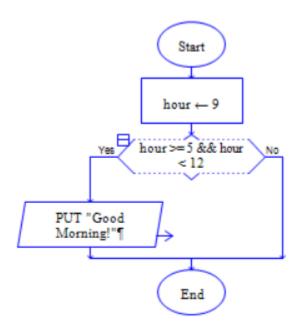
- 1. Start
- 2. Define an integer variable n and assign it a value
- 3. Check if n is greater than 0:
 - o If true print: n is a positive number.
 - o If false print: n is not a positive number.
- 4. End

2)Write a Java program that checks if a predefined number is negative using an if-else statement and displays the result.



- 1. Start
- 2. Define an integer variable n and assign it a value.
- 3. Check if n is less than 0:
 - o If true print: n is a negative number.
 - If false print: n is not a negative number.
- 4. End

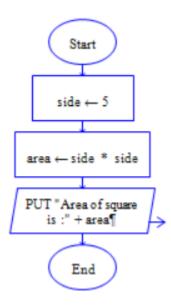
4)Write a Java program that displays a "Good Morning" message if the predefined time is between 5 AM and 12 PM. Use an if statement to implement the logic.



- 1. Start
- 2. Define an integer variable hour and assign it a predefined value.
- 3. Check if hour is greater than or equal to 5 and less than 12:
 - o If true print: Good Morning!
- 4. End

5) Write a Java program that calculates the area of a square using the formula area = side * side. Use a predefined side length.

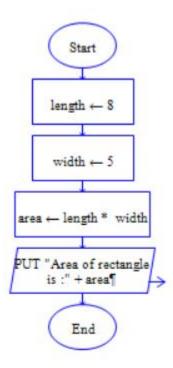
Ans.



- 1. Start
- 2. Define an integer variable side and assign it a value.
- 3. Calculate the area of the square using the formula: area = side * side
- 4. Print the result: The area of square is: area.
- 5. End

6)Write a Java program that calculates the area of a rectangle using the formula area = length * width. Use predefined values for length and width.

Ans.



- 1.Start
- 2.Declare and initialize two integer variables length and width.
- 3.Calculate the area using the formula: area = length * width
- 4. Print the result: "The area of the rectangle is": area
- 5.End