
Lab. (1)

Flowchart

Answer the following questions

- 1) Draw the flowchart for a program that asks the user to enter the length of a rectangle sides then calculates the area and perimeter of the rectangle and displays the result on the screen .
- 2) Draw the flowchart for a program that asks the user to enter two numbers then calculates the sum of the two numbers and displays the result on the screen.
- 3) Draw the flowchart for a program that asks the user to enter three numbers then calculates the average of the numbers and displays the result on the screen.
- 4) Draw the flowchart for a program that asks the user to enter the student degree (0:100) then prints the student status succeeded when the degree ≥ 50 or failed when degree < 50 .
- 5) Draw the flowchart for a program that calculates the division of two numbers x, y (x/y) and prints the result on the screen. Note the program should check if $y = 0$ and in this case prints undefined or error on the screen.
- 6) Draw the flowchart for a program to check if the input number is odd or even .
- 7) Draw the flowchart for a program to find the maximum number among a group of three integers .
- 8) Draw the flowchart for a program that asks the user to enter the room temperature and decides if it equal to or greater than or less than 25 degree and prints the result on screen.

- 9) Draw the flowchart for a program that finds the sum of the first 50 natural numbers.
- 10) Draw the flowchart for a program that calculates the factorial of a given number x and displays the result on the screen.