

Assignment 02

Write an algorithm and draw a flowchart for below examples.

Example 1: Write an algorithm and draw a flowchart to find the sum of two numbers.

Example 2: Write an algorithm and draw a flowchart to find the average of 3 numbers.

Example 3: Write an algorithm and draw a flowchart to find the largest among given two numbers.

Example 4: Write an algorithm and draw a flowchart to determine a student's final grade and indicate whether it is passing or failing. The final grade is calculated as the average of four marks. To pass the exam average of four subject must be greater than or equal to 50.

Example 5: Write an algorithm and draw a flowchart that will read the two sides of a rectangle and calculate its area.

Example 6: Write an algorithm and draw a flowchart to convert the length in feet to centimetre.

Example 7: Write an algorithm and draw a flowchart to convert the input Fahrenheit degree into its Celsius degree equivalent. Use the formula: $C = (5/9) * F - 32$.

Example 8: Write an algorithm and draw a flowchart to find whether a given number is odd or even.

Example 9: Write an algorithm and draw a flowchart to find even numbers between 0 and 99.

Example 11: Write an algorithm and draw a flowchart to generate the even numbers between 1000 and 2000 and then prints them in a standard output. It should also prints the total sum of the even numbers.

Example 12: Write an algorithm and draw a flowchart to find odd numbers between 0 and 99.

Example 13: Write an algorithm and draw a flowchart to generate the odd numbers between 1000 and 2000 and then prints them in a standard output. It should also prints the total sum of the odd numbers.

Example 14: Write an algorithm and draw a flowchart to exchange the values of two variables or to swap two integers.

Example 15: Given three numbers a, b and c. Write an algorithm and design a flowchart to interchange the value of a to b, b to c and c to a without using any extra variable.

Example 16: Write an algorithm and draw a flowchart to print the number from 1 to 10.

Example 17: Write an algorithm and draw a flowchart to find the sum of first 'n' numbers. Example 18: Write an algorithm and draw a flowchart to print "Hello World" 10 times.

Example 19: Write an algorithm and draw a flowchart to find the sum of first 50 numbers. Example 20: Write an algorithm and draw a flowchart to find the factorial of a number.

Example 21: Write an algorithm and draw a flowchart to find the sum of individual digits of a given number.

Example 22: Write an algorithm and draw a flowchart to find the reverse of a number.