ITC LAB #07 SE (A)
LAB TASK

1. Write a program that computes the net amount of a bank account based a transaction log from console input. **(Use while loop)**
   Your program should ask the user to press D for Deposit or W for Withdraw or Q to quit and see the net amount

OUTPUT:

Press D for Deposit, W for withdraw or Q for quit: D
D =300
Press D for Deposit, W for withdraw or Q for quit: D
D =300
Press D for Deposit, W for withdraw or Q for quit: W
W =200
Press D for Deposit, W for withdraw or Q for quit: D
D= 100

Press D for Deposit, W for withdraw or Q for quit: Q
Net Amount =500

2. Write a program to ask a user to enter the date of birth and on the basis of input it display astrological sign associate with it. Your program should ask user whether he/she wants to continue or exit the program.

♈ Aries, head	**ARI**	Mar. 21–Apr. 20
♉ Taurus, neck	**TAU**	Apr. 21–May 20
♊ Gemini, arms	**GEM**	May 21–June 20
♋ Cancer, breast	**CAN**	June 21–July 22
♌ Leo, heart	**LEO**	July 23–Aug. 22
♍ Virgo, belly	**VIR**	Aug. 23–Sept. 22
♎ Libra, reins	**LIB**	Sept. 23–Oct. 22
♏ Scorpio, secrets	**SCO**	Oct. 23–Nov. 22
♐ Sagittarius, thighs	**SAG**	Nov. 23–Dec. 21
♑ Capricorn, knees	**CAP**	Dec. 22–Jan. 19
♒ Aquarius, legs	**AQU**	Jan. 20–Feb. 19
♓ Pisces, feet	**PSC**	Feb. 20–Mar. 20

3. Write a program which iterates the integers from 1 to 50. For multiples of three print "Multiple of 3" instead of the number and for the multiples of five print " Multiple of 5". For numbers which are multiples of both three and five print " Multiple of 3 & 5"

4. Write a Python Function to check a triangle is equilateral, isosceles or scalene. .Your program should ask the user to input x,y,z values

Note :

An equilateral triangle is a triangle in which all three sides are equal.

A scalene triangle is a triangle that has three unequal sides.

An isosceles triangle is a triangle with (at least) two equal sides.

5. Write a program to enter the numbers till the user wants and at the end it should display the count of positive, negative and zeros entered **(use while loop)**

6. A carpet cleaning company estimates cleaning prices assuming a room size of 10 feet by 12 feet at a cost of $39. Rooms smaller than 10 feet by 12 feet are charged at the standard room size. Rooms larger than 10 by 12 feet are charged the standard rate plus $.25 per square foot for each foot greater than the standard room size. Design a C++ program that asks the user for the number of rooms to be cleaned and the size of each room. Calculate the size and cost of cleaning the rooms and print them.

7. Write a C program to find all Perfect numbers between 1 to n. C program to find all perfect numbers between given range. How to generate all perfect numbers between given interval using loop

   Perfect number is a positive integer which is equal to the sum of it's proper positive divisors.

   For example: 6 is the first perfect number
   Proper divisors of 6 are 1, 2, 3
   Sum of its proper divisors = 1 + 2 + 3 = 6.
   Hence 6 is a perfect number.