

## ITC Lab 7- Arrays

**Activity 1.** N numbers are entered from the keyboard into an array. The number to be searched is entered through the keyboard by the user. Write a program to find if the number to be searched is present in the array and if it is present, display the number of times it appears in the array.

**Activity 2.** Twenty-five numbers are entered from the keyboard into an array. Write a program to find out how many of them are positive, how many are negative, how many are even and how many odd.

**Activity 3.** Write a program which takes input from the user for 7 days temperatures in centigrade and displays the output in Farenheit form also predicts the temperature for 8<sup>th</sup> day based on the average temperatures calculated. Also check that if the difference of two consecutive days temperatures at input time is more than 5 degree centigrade , display a message to the user that “ temperature does not seem correct , enter another value:” (Use arrays)

**Activity 4.** Write a program for Pizzapoint which have a number of delivery boys each with an id between 1-100. When he finished delivering for a specific amount, he enters his id and sales amount . This goes on until you terminate the entry with a negative id . Then a summary should be printed with one line per salesman showing total sales amount. Moreover a commission for each delivery boy is calculated in such a way:

Sales amount below 50,000	10% of sales amount
Sales amount above 50,000	10% of sales amount below 50,000 + 15% of the amount exceeding 50,000

The printout will then be:

Number	Amount	Commission
=====	=====	=====
2	13000	1300
5	60000	6500
32	500	50
78	70000	8000

**Use arrays in this program.**