**LAB 2**

**PROGRAM 1: a) Write a c program to calculate the mean of a given set of numbers using arrays.**

#include<stdio.h>

int main()

{

int c, n, product;

printf("Enter the number for table:");

scanf("%d", &n);

for(c=1; c<=10; c++)

{

product=n\*c;

printf("%d\*%d=%d\n",n,c,product);

}

}

**PROGRAM 2: b) Write a c program to generate multiplication table (for example 9th table , 10 times)**

#include<stdio.h>

int main()

{

int num[50],n,mean,sum=0,i;

printf("how many numbers?\n");

scanf("%d",&n);

for(i=0;i<n;i++)

{

printf("Enter the number %d: ",i+1);

scanf("%d",&num[i]);

sum+=num[i];

}

mean = sum/n;

printf("The mean of the numbers is: %d",mean);

}