**CS120 Fundamental of Programming**

**Lab No. 5: Repetition Structure**

**Exercises**

1. Write a C program to find the sum of all integers between any two numbers x and y which are taken as input from the keyboard.

#include <stdio.h>

int main()

{

int x, y, i, sum = 0;

printf("Enter two numbers for running loop : ");

scanf("%d%d", &x, &y);

for ( i = x ; i <= y ; i++ )

sum += i;

printf("The sum of all numbers from %d to %d is %d\n", x, y, sum);

return 0;

}

1. Write a C program to find the number of positive, negative and zeros in 10 numbers which are input from the keyboard.

#include <stdio.h>

int main()

{

int i, num, zeros = 0, positives = 0, negatives = 0;

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

{

printf("Enter a number : ");

scanf("%d", &num);

if ( num == 0 )

zeros++;

else if ( num > 0 )

positives++;

else if ( num < 0 )

negatives++;

}

printf("Zeros count = %d, positives count = %d, negatives count = %d\n", zeros, positives, negatives);

return 0;

}