**CS120 Fundamental of Programming**

**Lab No. 6: Repetition Structure**

**Exercises**

1. Write a program which takes two numbers x and y as input from the keyboard. The program then computes and displays x to the power y (x^y). You can run a loop y number of times to compute the answer.

#include <stdio.h>

int main()

{

int x, y, pow = 1, i;

printf("Enter two numbers x and y : ");

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

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

pow = pow \* x;

printf("%d ^ %d = %d\n", x, y, pow);

system("pause");

return 0;

}

1. Write a C program that reads N integers and finds the number of integers that are larger than 50.

(for example N=10; 56, 70, 20, 35, 63, 48, 74, 22, 83, 18 has 5 integers larger than 50)

#include <stdio.h>

int main()

{

int N, i, count = 0, num;

printf("Enter number of integers to enter : ");

scanf("%d", &N);

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

{

printf("Enter a number : ");

scanf("%d", &num);

if ( num > 50 )

count++;

}

printf("Number of integers bigger than 50 : %d\n", count);

system("pause");

return 0;

}