**PROBLEM:03**

**Sila wants to know how to calculate the values using math function.can you please guide her to perform the math Calculations. Note:use the Floor, Ceil, Sqrt, Pow.**

#include <math.h>

#include <stdio.h>

#include <string.h>

#include <stdlib.h>

#include <assert.h>

#include <limits.h>

#include <stdbool.h>

int main()

{

float inputFloat;

int squareInput, base, exponent;

scanf("%f",&inputFloat);

scanf("%d",&squareInput);

scanf("%d",&base);

scanf("%d",&exponent);

int floored = (int)floor(inputFloat);

int ceiled = (int)ceil(inputFloat);

double squareRoot = sqrt(squareInput);

double powerResult = pow(base, exponent);

printf("%d\n", floored);

printf("%d\n", ceiled);

printf("%.0f\n", squareRoot);

printf("%.0f\n", powerResult);

return 0;

}