**PROBLEM:01**

The college ground is rectangular in shape. The Management decides to build a fence around the ground. In order to help the construction workers to build a straight fence, they planned to place a thick rope around the ground. They wanted to buy only the exact length of the rope that is needed. They also wanted to cover the entire ground with a thick carpet during rainy season. They wanted to buy only the exact quantity of carpet that is needed. They requested your help.

Can you please help them by writing a program to find the exact length of the rope and the exact quantity of carper that is required?

#include <stdio.h>

#include <string.h>

#include <math.h>

#include <stdlib.h>

int main()

{

float length, width;

float perimeter, area;

scanf("%f", &length);

scanf("%f", &width);

perimeter = 2 \* (length + width);

area = length \* width;

printf("Required length is %.2fm\n", perimeter);

printf("Required quantity of carpet is %.2fsqm\n", area);

return 0;

}