

Test 2

1. Write a C program that prompt user for a number and the program will calculate the square root of the number. Ask user for positive number only. If negative number is put, display warning and ask user to try again until positive number is keyed. (10 marks)

Tips: use do-while loop, if-else, math.h.

Answer

```
#include <stdio.h>
#include <math.h>
#define PI 3.1415

int main()
{
    double number, sqrtnumber;
    printf("Enter a positive number = \n");
    scanf("%.3f\n", &number);

    do{
        printf("That's a negative number. Enter a positive number = \n");
        scanf("%.3f\n", &number);
    }while (number<0);

    sqrtnumber = sqrt(number);
    printf("The square root is = %.3f\n", sqrtnumber);

    return 0;
}
```

