**TASK-15**

**Pizza PI.**

**EXPLANATION:**

Pizza Palace needs a program to calculate the number of slices a pizza of any size can be divided into.

**INPUT:**

#include <iostream>

#include <iomanip>

#include <cmath>

#include <conio.h>

#include <stdlib.h>

#define pi 3.14

using namespace std;

int main()

{

a:

double diameter , area , radius ;

int slices ;

cout << "Please enter the diameter of pizza in inches : " ;

cin >> diameter ;

radius = diameter / 2 ;

area = pi \* pow ( radius , 2 ) ;

slices = area / 14.125 ;

system ( "CLS" ) ;

cout << "The number of slices, that the pizza of diameter \" " << diameter << " inches\", are \"" << slices << "\". " ;

getch () ;

system ( "CLS" ) ;

goto a ;

}

**OUTPUT:**



