**TASK-16**

**How many Pizzas?**

**EXPLANATION:**

Modify the program you wrote in Programming Challenge 13 (Pizza PI) so that it reports the number of pizzas you need to buy for a party if each person attending is expected to eat an average of four slices.

**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 , no\_of\_people , pizza ;

cout << "Please enter no of people at the party : " ;

cin >> no\_of\_people ;

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

cin >> diameter ;

radius = diameter / 2 ;

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

slices = area / 14.125 ;

pizza = slices \* 4 ;

system ( "CLS" ) ;

cout << "The number of pizzas are : " << pizza ;

getch () ;

system ( "CLS" ) ;

goto a ;

}

**OUTPUT:**





