/\*

This program adds the first N cosecutive odd numbers or even numbers

\*/

#include<stdio.h>

#include<conio.h>

int main(){

    int i, n, sumeven = 0,  sumodd;

    printf("Enter the number : ");

    scanf("%d", &n);

    for(i = 1 ; i <= n; i ++)

        if(i % 2 == 0)

            sumeven = sumeven + i;

        else

        sumodd = sumodd + i;

     printf("\nSum of first consecutive even numbers = %d", sumeven);

     printf("\nSum of first consecutive odd numbers = %d", sumodd);

}

Enter the number : 5

Sum of first consecutive even numbers = 6

Sum of first consecutive odd numbers = 9

/\*

This is a calculator programme that can Add, subtract, divide and multiply any two numbers.

The program starts by choosing  the operation, and then receives two numbers\*/

#include<stdio.h>

int main(){

    int num1;

    int num2;

    int choice;

    printf ("\nAdd -1\n");

    printf ("\nSubtract -2\n");

    printf ("\nMultiply -3\n");

    printf ("\nDivide -4\n");

    printf ("\nEnter your choice : \n");

    scanf("%d", &choice);

    printf("Enter number1 :  ");

    scanf("%d", &num1);

    printf("Enter number2 :  ");

    scanf("%d", &num2);

switch (choice)

{

case 1: add(num1, num2);

    break;

    case 2: sub(num1, num2);

    break;

    case 3: mult(num1, num2);

    break;

    case 4: divide(num1, num2);

    break;

default:printf("Invalid input!\n");

    break;

    }

}

void add(int a, int b){

    printf("\nResult : %d", a + b);

}

void sub(int a, int b){

    printf("\nResult : %d", a - b);

}

void mult(int a, int b){

    printf("\nResult : %d", a \* b);

}

void divide(int a, int b){

    if(b == 0){

        printf("\n You cant divide with zero,, you will get an error");

    }

    else

   {

     printf("\nResult : %f", a /(float) b);

   }

}

Add -1

Subtract -2

Multiply -3

Divide -4

Enter your choice :

1

Enter number1 : 1

Enter number2 : 2

Result : 3

Enter your choice :

2

Enter number1 : 3

Enter number2 : 2

Result : 1

Enter your choice :

3

Enter number1 : 3

Enter number2 : 2

Result : 6

Enter your choice :

4

Enter number1 : 3

Enter number2 : 4

Result : 0.750000

/\* this progra prints numbers in an isosceles triangular shape

\*/

#include<stdio.h>

int main(){

    int row, i,j,k,l, space\_num, num\_count;

    printf("Enter the number of row: ");

    scanf("%d", &row);

    space\_num = row - 1;

    for(i=0;i<5;i++)

    {

        for(j=0;j<space\_num;j++)

        {

                printf("  ");

        }

        space\_num--;

        num\_count = i+1;

        for(k=0;k<=i;k++){

            printf("%d ", num\_count);

            num\_count++;

        }

        for(l=num\_count-2;l>=i+1;l--){

            printf("%d ", l);

        }

        printf("\n");

    }

     printf("\n");

     return 0;

}

