/\*\*\* a program to calculate sum of first N natural numbers\*\*\*/

#include <stdio.h>

int main()

{

int i,n,sum=0;

printf("Calculating sum of first N natural numbers \n");

printf("please enter value of n :-- ");

scanf("%d",&n);

for(i=0;i<=n;i++){

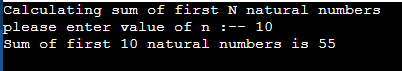
sum += i;

}

printf("Sum of first %d natural numbers is %d\n",n,sum);

return 0;

}



/\*\*A C program to calculate sum of first N Even natural numbers \*\*/

#include<stdio.h>

int main()

{

int i=1,n,n1=0,sum=0;

printf("please enter value of n :-- ");

scanf("%d",&n);

while(i<=n){

sum += n1;

n1=n1+2;

i++;

}

printf("Sum of the first %d Even natural numbers is %d",n,sum);

return 0;

}



/\*\*A C program to calculate sum of first N Odd natural numbers \*\*/

#include<stdio.h>

int main()

{

int i=1,n,n1=1,sum=0;

printf("please enter value of n :-- ");

scanf("%d",&n);

while(i<=n){

sum += n1;

n1=n1+2;

i++;

}

printf("Sum of the first %d odd natural numbers is %d",n,sum);

return 0;

}



/\*\*A C program to calculate sum of squares of first N natural numbers \*\*/

#include<stdio.h>

int main()

{

int i,n;

long sq,sum=0;

printf("please enter value of n :-- ");

scanf("%d",&n);

for(i=0;i<=n;i++){

sq=i\*i;

sum=sum+sq;

}

printf("Sum of the squares of first %d natural numbers is %ld",n,sum);

return 0;

}



/\*\*A C program to calculate sum of cubes of first N natural numbers \*\*/

#include<stdio.h>

int main()

{

int i,n;

long cb,sum=0;

printf("please enter value of n :-- ");

scanf("%d",&n);

for(i=0;i<=n;i++){

cb=i\*i\*i;

sum=sum+cb;

}

printf("sum of squares of first %d natural numbers is %ld",n,sum);

return 0;

}



/\*\*A C program to calculate factorial of a given number \*\*/

#include<stdio.h>

int main()

{

int i,n,fct=1;

printf("please enter a any number to calculate factorial :--- ");

scanf("%d",&n);

for(i=n;i>1;i--){

fct = fct\*i;

}

printf("Factorial of the %d is a %d",n,fct);

return 0;

}

