1)

#include<stdio.h>

int main()

{

int n,sum=0;

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

scanf("%d",&n);

for(int i=1;i<=n;i++)

sum=sum+i;

printf("%d",sum);

return 0;

}

2)

#include<stdio.h>

int main()

{

int n,sum=0;

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

scanf("%d",&n);

for(int i=1;i<=n;i++)

sum=sum+2\*i;

printf("%d",sum);

return 0;

}

3)

#include<stdio.h>

int main()

{

int n,sum=0;

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

scanf("%d",&n);

for(int i=1;i<=n;i++)

sum=sum+(2\*i-1);

printf("%d",sum);

return 0;

}

4)

#include<stdio.h>

int main()

{

int n,sum=0;

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

scanf("%d",&n);

for(int i=1;i<=n;i++)

sum=sum+i\*i;

printf("%d",sum);

return 0;

}

5)

#include<stdio.h>

int main()

{

int n,sum=0;

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

scanf("%d",&n);

for(int i=1;i<=n;i++)

sum=sum+i\*i\*i;

printf("%d",sum);

return 0;

}

6)

#include<stdio.h>

int main()

{

int n,fact=1;

printf("Enter the number:");

scanf("%d",&n);

for(int i=1;i<=n;i++)

fact=fact\*i;

printf("%d",fact);

return 0;

}

7)

#include<stdio.h>

int main()

{

int n,dig=0;

printf("Enter the number:");

scanf("%d",&n);

while(n)

{

dig++;

n=n/10;

}

printf("The digits=%d",dig);

return 0;

}

8)

#include<stdio.h>

int main()

{

int n,c=0;

printf("Enter the number:");

scanf("%d",&n);

for(int i=2;i<=n/2;i++)

{

if(n%2==0)

{

c++;

break;

}

}

if(c==0)

printf("Prime");

else

printf("Not prime");

return 0;

}

9)

#include<stdio.h>

int main()

{

int a,b;

printf("Enter the numbers:");

scanf("%d%d",&a,&b);

for(int i=1;i!=0;i++)

{

if((i%a==0)&&(i%b==0))

{

printf("LCM=%d",i);

break;

}

}

return 0;

}

10)

#include<stdio.h>

int main()

{

int a,rem,rev=0;

printf("Enter the number:");

scanf("%d",&a);

while(a)

{

rem=a%10;

rev=rev\*10+rem;

a=a/10;

}

printf("%d",rev);

return 0;

}