**1)**

#include<stdio.h>

int main()

{

int n,i,s=0;

printf("enter the number\n");

scanf("%d",&n);

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

{

s=s+i;

}

printf("sum upto %d is %d",n,s);

return 0;

}

**2)**

#include<stdio.h>

int main()

{

int n,i,s=0;

printf("enter a number\n");

scanf("%d",&n);

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

{

s=s+2\*i;

}

printf("the sum of first %d even number is %d",n,s);

return 0;

}

**3)**

#include<stdio.h>

int main()

{

int n,i,s=0,a;

printf("enter a number\n");

scanf("%d",&n);

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

{

a=2\*i-1;

s=s+a;

}

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

return 0;

}

**4)**

#include<stdio.h>

int main()

{

int n,i,s=0;

printf("enter a number\n");

scanf("%d",&n);

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

{

s=s+i\*i;

}

printf("the sum of squares of first %d natural number is %d ",n,s);

return 0;

}

**5)**

#include<stdio.h>

int main()

{

int i,n,s=0;

printf("enter a number \n");

scanf("%d",&n);

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

{

s=s+i\*i\*i;

}

printf("sum of cubes of first %d natural number is %d ",n,s);

return 0;

}

**6)**

#include<stdio.h>

int main()

{

int n,i,f=1;

printf("enter a number \n");

scanf("%d",&n);

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

{

f=f\*i;

}

printf("factorial of %d is %d",n,f);

return 0;

}

**7)**

#include<stdio.h>

int main()

{

int n,i=1;

printf("enter a number\n");

scanf("%d",&n);

while(n>10)

{

n=n/10;

i++;

}

printf("their are %d digits in the given number\n",i);

return 0;

}

**8)**

#include<stdio.h>

int main()

{

int n,i;

printf("enter a number\n");

scanf("%d",&n);

for(i=2;i<=9;i++)

{

if(n==2||n==3||n==5||n==7)

{printf("this is a prime number\n");

break;

}

else if(n%i==0)

{

printf("this is not a prime number\n");

break;

}

}

if(i==10)

printf("the number is a prime number\n");

return 0;

}

**9)**

#include<stdio.h>

int main()

{

int a,b,i=2;

printf("enter two number\n");

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

while(1)

{

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

{

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

break;

}

else

{

i++;

}

}

return 0;

}

**10)**

#include<stdio.h>

int main()

{

int n,r,q=0;

printf("enter a number\n");

scanf("%d",&n);

while(n!=0)

{

r=n%10;

n=n/10;

q=10\*q+r;

}

printf("the reverse of the given number is %d",q);

return 0;

}