1.

#include<stdio.h>

#include<conio.h>

int main()

{

int n,i,sum=0;

printf("Enter a number upto which the sum is to be printed:");

scanf("%d", &n);

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

{

sum=sum+i;

}

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

return 0;

}

2.

#include<stdio.h>

int main()

{

int n,i,sum=0;

printf("Enter a number upto which the sum is to be printed:");

scanf("%d", &n);

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

{

sum=sum+i;

}

printf("Sum of %d even natural numbers is %d.",n,sum);

return 0;

}

3.

#include<stdio.h>

int main()

{

int n,i,sum=0;

printf("Enter a number upto which the sum is to be printed:");

scanf("%d", &n);

for(i=1;i<=n;i+=2)

{

sum=sum+i;

}

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

return 0;

}

4.

#include<stdio.h>

int main()

{

int n,i,sq=0;

printf("Enter a number upto which the sum is to be printed:");

scanf("%d", &n);

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

{

sq+=i\*i;

}

printf("Sum of squares of first %d natural numbers is %d.",n,sq);

return 0;

}

5.

#include<stdio.h>

int main()

{

int n,i,cube=0;

printf("Enter a number upto which the sum is to be printed:");

scanf("%d", &n);

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

{

cube+=i\*i\*i;

}

printf("Sum of cubes of first %d natural numbers is %d.",n,cube);

return 0;

}

6.

#include<stdio.h>

int main()

{

int n,i,fact=1;

printf("Enter a number whose factorial is to be calculated:");

scanf("%d", &n);

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

{

fact\*=i;

}

printf("Factorial of %d is %d.",n,fact);

return 0;

}

7.

#include<stdio.h>

int main()

{

int n,count=0,t;

printf("Enter a number:");

scanf("%d", &n);

do{

n/=10;

count++;

}

while(n!=0);

printf("Number of digits in the given number is %d.",count);

return 0;

}

8.

#include<stdio.h>

int main()

{

int num, i, c = 0;

printf("Enter a number: ");

scanf("%d", &num);

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

{

if (num % i == 0)

{

c++;

}

}

if (c == 2){

printf("%d is a Prime Number.", num);

}

else {

printf("%d is not a Prime Number.", num);

}

return 0;

}

9.

#include<stdio.h>

int main()

{

int Num1, Num2, max\_Value;

printf("Please Enter two integer Values \n");

scanf("%d %d", &Num1, &Num2);

max\_Value = (Num1 > Num2)? Num1 : Num2;

while(1) //Alway True

{

if(max\_Value % Num1 == 0 && max\_Value % Num2 == 0)

{

printf("LCM of %d and %d = %d", Num1, Num2, max\_Value);

break;

}

++max\_Value;

}

return 0;

}

10.

#include<stdio.h>

int main()

{

int n, reverse=0, rem;

printf("Enter a number: ");

scanf("%d", &n);

while(n!=0)

{

rem=n%10;

reverse=reverse\*10+rem;

n/=10;

}

printf("Reversed Number: %d",reverse);

return 0;

}