1. Write a program to calculate sum of first N natural numbers

Ans #include<stdio.h>

int main()

{

int n,i,s=0;

printf("Enter a Number: ");

scanf("%d",&n);

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

s=s+i;

printf("Sum is %d ",s);

return 0;

}

2. Write a program to calculate sum of first N even natural numbers

Ans #include<stdio.h>

int main()

{

int n,i,s=0;

printf("Enter a Number: ");

scanf("%d",&n);

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

s=s+i;

printf("Sum is %d ",s);

return 0;

}

3. Write a program to calculate sum of first N odd natural numbers

Ans #include<stdio.h>

int main()

{

int n,i,s=0;

printf("Enter a Number: ");

scanf("%d",&n);

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

s=s+i;

printf("Sum is %d ",s);

return 0;

}

4. Write a program to calculate sum of squares of first N natural numbers

Ans #include<stdio.h>

int main()

{

int n,i,s=0;

printf("Enter a Number: ");

scanf("%d",&n);

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

s=s+i\*i;

printf("Sum is %d ",s);

return 0;

}

5. Write a program to calculate sum of cubes of first N natural numbers

Ans #include<stdio.h>

int main()

{

int n,i,s=0;

printf("Enter a Number: ");

scanf("%d",&n);

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

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

printf("Sum is %d ",s);

return 0;

}

6. Write a program to calculate factorial of a number

Ans #include<stdio.h>

int main()

{

int n,i,f=1;

printf("Enter a Number: ");

scanf("%d",&n);

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

f=f\*i;

printf("Factorial is %d ",f);

return 0;

}

7. Write a program to count digits in a given number

Ans #include<stdio.h>

int main()

{

int n,i;

printf("Enter a Number: ");

scanf("%d",&n);

while(n!=0)

{

n=n/10;

i++;

}

printf("Number of Digit is %d",i);

return 0;

}

8. Write a program to check whether a given number is a Prime number or not

Ans #include<stdio.h>

int main()

{

int n,i,j=5;

printf("Enter a Number: ");

scanf("%d",&n);

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

{

if(n%i==0)

{

j=2;

break;

}

}

if(j==5)

printf("Prime");

else

printf("NOT Prime");

return 0;

}

9. Write a program to calculate LCM of two numbers

Ans #include<stdio.h>

int main()

{

int a,b,i;

printf("Enter Two Number: ");

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

for(i=1;i<=a\*b;i++)

{

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

{

break;

}

}

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

return 0;

}

10. Write a program to reverse a given number

Ans #include<stdio.h>

int main()

{

int n,i,reminder,reverse=0;

printf("Enter a Number: ");

scanf("%d",&n);

while(n!=0)

{

reminder=n%10;

n=n/10;

reverse = reverse \* 10 + reminder;

}

printf("Reverse number is %d",reverse);

return 0;

}