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

#include<stdio.h>

#include<math.h>

int main()

{

   int sum=0, n;

   int i=1;

   scanf("%d",&n);

   while(i<n+1)

   {

      sum=sum+i;

     i++;

   }

   printf("sum is %d",sum);

}

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

#include<stdio.h>

#include<math.h>

int main()

{

   int sum=0, n;

   int i=1;

   scanf("%d",&n);

   while(i<n+1)

   {

      sum=sum+2\*i;

     i++;

   }

   printf("sum is %d",sum);

}

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

#include<stdio.h>

#include<math.h>

int main()

{

   int sum=0, n;

   int i=1;

   scanf("%d",&n);

   while(i<n+1)

   {

      sum=sum+2\*i-1;

     i++;

   }

   printf("sum is %d",sum);}

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

#include<stdio.h>

#include<math.h>

int main()

{

   int sum=0, n;

   int i=1;

   scanf("%d",&n);

   while(i<n+1)

   {

      sum=sum+i\*i;

     i++;

   }

   printf("sum is %d",sum);

}

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

#include<stdio.h>

#include<math.h>

int main()

{

   int sum=0, n;

   int i=1;

   scanf("%d",&n);

   while(i<n+1)

   {

      sum=sum+i\*i\*i;

     i++;

   }

   printf("sum is %d",sum);

}

6. #include<stdio.h>

#include<math.h>

int main()

{

   int fact=1, n;

   int i=1;

   scanf("%d",&n);

   while(i<n+1)

   {

      fact=fact\*i;

     i++;

   }

   printf("fct is %d",fact);}

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

#include<stdio.h>

#include<math.h>

int main()

{

   int count=0, n;

   scanf("%d",&n);

   while(n>0)

   {

      n=n/10;

      count++;

   }

   printf("total digit is  %d",count);

}

8. Write a program to check whether a given number is a Prime number or

Not.

#include<stdio.h>

#include<math.h>

int main()

{

   int n,i,p=1;

   printf("Enter a number=");

   scanf("%d",&n);

   for(i=2;i<n;i++)

   {

      if(n%i==0)

       p=0;

   }

   if(p==0)

    printf("NOT PRIME");

   else

    printf("PRIME");

}

9. Write a program to calculate LCM of two numbers.

#include<stdio.h>

#include<math.h>

int main()

{

   int x,y,i,max;

   printf("Enter two numbers=");

   scanf("%d%d",&x,&y);

   max=x>y?x:y;

   for(i=max;;i++)

   {

      if(i%x==0 && i%y==0)

       break;

   } printf("%d",i);

}

10. Write a program to reverse a given number.

#include<stdio.h>

#include<math.h>

int main()

{

   int x,r,x\_new=0;

   scanf("%d",&x);

   while(x>0)

   {

      r=x%10;

      x=x/10;

      x\_new=x\_new\*10+r;

   }

   printf("%d",x\_new);

}