//1. Print numbes from 1 to 10.

```
#include<stdio.h>

int main()
{
   int i=0;

   while(i<=10)
   {
      printf("%d",i);
      i++;
   }
   printf("\n");
}
```

//2. Print table for the given number.

```
#include<stdio.h>

int main()
{

   int i=1,n=6;

   while(i<=10)
   {
      printf("%d\n",n*i);
      i++;
   }
   printf("\n");
   return 0;
}
```

//3. Calculate sum of numbers in the given range.

```
#include<stdio.h>

int main()
{
   int n=15756, sum=0, rem;

   while(n>0)
   {
      rem=n%10;
      sum=sum+rem;
      n=n/10;
```

```
    }
    printf("Sum of digit: %d",sum);
    return 0;
}

//4. Check number is prime or not.

#include<stdio.h>

int main()
{
    int n, status=0, i=2;

    printf("Enter the number: ");
    scanf("%d",&n);

    while(i<n)
    {
        if(n%i==0)
        {
            status=1;
            break;
        }
        i++;
    }
    if(status==0)
    {
        printf("Is a Prime Number: %d");
    }
    else
    {
        printf("Is Not a Prime Number: %d");
    }
    return 0;
}



//5. Check number is armstrong or not?

#include<stdio.h>

int main()
{
    int n, temp, rem=0, sum;

    printf("Enter the Number: ");
```

```
   scanf("%d",&n);

   temp=n;

   while(n!=0)
   {
      rem=n%10;
      sum += rem*rem*rem;
      n=n/10;
   }
   if(sum==n)
      printf("is a Armstrong number %d");
   else
      printf("is not a Armstrong number %d");
}

//6. Check number is perfect or not.

#include<stdio.h>

int main()
{
   int n=6, sum=0, i=1;

   while(i<n)
   {
      if(n%i==0)
      {
         sum=sum+i;
      }
      i++;
   }
   if(sum==n)
   {
      printf("Is a Perfect Number: %d");
   }
   else {
      printf("is Not a Perfect Number");
   }
   return 0;
}

//7. Find factorial of number.

#include<stdio.h>

int main()
```

```
{
   int n=5, i=1, fact=1;

   while(i<=n)
   {
      fact=fact*i;
      i++;
   }
   printf("Factorial Number is: %d", fact);

}
```

//9. Check the given number is palindrome or not?

```
#include<stdio.h>

int main()
{
   int n=121, sum=0, rem, temp;

   temp=n;

   while(n>0)
   {
      rem=n%10;
      sum=(sum*10)+rem;
      n=n/10;
   }
   if(temp==sum)
   {
      printf("Is a Palindrome: %d");
   }
   else
   {
      printf("Is Not a Palindrome: %d");
   }
   return 0;
}
```