//Q1Print numbers from 1 to 10.

```c
#include<stdio.h>

void main(){

        int a =1;

        while(a<=10)

{
        printf("%d",a);

        a++;

        }

}
```

//Q2. Print table for the given number.

```c
#include<stdio.h>
```

```c
void main(){

    int num,a=1,b;
    printf("Enter the number :");
    scanf("%d",&num);


    while(a<=10){

        b = num*a;
        printf("%d\n",b);


        a++;
    }

}
```

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

```c
#include<stdio.h>

void main(){

    int num , rem,sum=0;

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

```c
        int temp=num;

        while(temp>0){        //first when temp was not used num was reinitialised as 0
therefore temp was used where the num can chnage and we can print the nuumber as well


                rem=temp%10;

                sum=sum+rem;

                temp=temp/10;

        }



        printf("Sum=%d",sum);

        printf("Num=%d",num);

}
```

//4. Check number is prime or not

```c
#include<stdio.h>

void main(){


        int num,i=2,flag=0;


        printf("Enter the number:");

        scanf("%d",&num);


        while(i<num/2){
```

```c
        if(num%i==0){

                flag =1;
                break;
        }

         i++;

    }


    if(flag==0){

            printf("The number is a prime number ");
    }

    else{

            printf("The number is not a prime number");
    }
}
```

//5. Check number is armstrong or not?

#include<stdio.h>

```c
void main(){

        int rem , sum=0 , m=1;
        int num;
        int count=0;
        int tempcount;

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

        int temp =num;

        while(temp>0){

                count++;
                temp=temp/10;
        }

        temp = num;

        while(temp>0){

                rem = temp%10;
                tempcount=count;

                m=1;
                while(tempcount>0){

                        m = m*rem;
                        tempcount--;
```

```c
                }

                sum = sum+m;
                temp=temp/10;
        }

        if(sum==num){

                printf("the number is a Armstrong no.");
        }

        else {

                printf("The no. is not Armstrong");
        }

}




//Q6.Check number is perfect or not.

#include<stdio.h>

void main(){
```

```c
int num, sum=0, i;
printf("Enter the number:");
scanf("%d",&num);


 i=1;
while(i<num){


        if(num%i==0){


                sum = sum +i;



        }
                i++;


}


if(sum==num){


        printf("The number is a perfect number.");
}
else {


    printf("The number is not a perfect number.");


}
}
```

Q7.Find factorial of number

```c
#include<stdio.h>

void main(){

        int num , fact=1 , i;

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


        i=num;

        while(i>0){

                fact=fact*i;

                i--;
        }
        printf("Factorial of the %d is:%d",num,fact);
}
```

8. Check number is strong or not

```c
#include<stdio.h>

void main(){

    int num, rem, i , fact ,temp;

    int sum = 0;

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

    temp = num;

    while(temp>0){

        rem = temp%10;

        fact=1;

        for(i=1;i<=rem;i++){

            fact= fact*i;
        }

        sum = sum+fact;
        temp = temp/10;
```

```c
	}

	if(sum==num){

		printf("The number is a strong number.");

	}

	else{

		printf("The  number is not a strong number.");

	}

}


//Q9 Check the given number is palindrome or not?


#include<stdio.h>

void main(){

	int rem;
```

```c
    int num=6342;
    int temp=num;
    int sum =0;
    while(temp>0){

            rem = temp%10;
        printf("%d",rem);
            temp = temp/10;
    }



}
```

//Q10.Add the (first and last) digit of a given number?

```c
#include<stdio.h>

void main(){

    int num, a , b,sum;

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

    a = num%10;   //last digit


    b=num;
    while(b>=10){
```

```c
            b = b/10;
    }


    sum = a+b;


    printf("Sum of first and last digit is:%d",sum);
}
```