1. **Print number from 1 to 10.**

```c
#include<stdio.h>
void main()
{
        int i = 1;
        while(i <= 10)
        {
                printf("%d",i);
                i++;
        }

}
```

2. **Print table for the given number.**

```c
#include<stdio.h>
void main()
{
        int num1 = 0;
        int num;
        printf("Enter number: ");
        scanf("%d",&num);
        int i = 1;
        while(i <= 10)
        {
                num1 = num*i;
                printf("%d * %d = %d \n",num,i,num1);
                i++;
        }
}
```

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

```c
#include<stdio.h>
void main()
{
        int sum = 0;
        int s;
        int e;

        printf("Enter starting: ");
        scanf("%d",&s);

        printf("Enter ending: ");
        scanf("%d",&e);
```

```c
                while(s <= e)
                {
                        sum = (sum + s);
                        s++;
                }

                printf("%d",sum);
        }
```

4. **Check number is prime or not.**

```c
#include<stdio.h>
void main()
{
    int count = 0;
        int num;
        printf("Enter number: ");
        scanf("%d",&num);
        int i = 2;
        while(i < num)
        {
                if(num % i == 0)
                {
                        count++;
                }
                i++;
        }
        if(count == 0)
        {
                printf("Number is prime");
        }
        else
        {
                printf("Number is not prime");
        }
}
```

5. **Check number is armstrong or not?**

```c
#include<stdio.h>
void main()
{
    int r2,r3,r4,r1;
        int num;
        int org;
        int sum=0;
```

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

            org = num;
            while(num != 0)
            {

            r1=num%10;
            r1=r1*r1*r1;
            sum=sum+r1;
            num=num/10;

            }

            if(sum==org)
            {
                    printf("Number is armstrong");
            }
            else{
                    printf("Number is not armstrong");
            }
    }
```

6. Check number is perfect or not.

```c
    #include<stdio.h>
    void main()
    {
            int num;
            int org;
            int sum=0;
            int i =1;


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

            org = num;
            while(i < num)
            {
            if(num % i == 0)
            {
                    sum = sum + i;
            }
            i++;

            }
```

```c
                if(sum==org)
                {
                        printf("Number is perfect number");
                }
                else{
                        printf("Number is not perfect");
                }
        }
```

7. **Find factorial of number.**

```c
#include<stdio.h>
void main()
{
        int num;
        printf("Enter number: ");
        scanf("%d",&num);
        int i = 1;
        int fact=1;
        while(i <= num)
        {
                fact = fact * i;
                i++;
        }

        printf("Factorial of given number is %d",fact);
}
```

8. **Check number is strong or not.**

```c
#include<stdio.h>
void main()
{
   int r1, r2;
        int num;
        int org;
        int sum=0;
        int fact;
        int i = 1;


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

        org = num;
        while(num>0)
        {
                r1=num%10;
```

```c
                printf("%d\n",r1);
                num=num/10;
                printf("%d",num);

                r2=num%10;
                printf("%d\n",r2);
                num=num/10;
                printf("%d",num);
                while(i<=r1)
        {
                fact= r1*i;
                printf("%d\n",fact);
                i++;
                sum = sum + fact;
                printf("%d\n",sum);

        }
        }
        if(sum==org)
        {
                printf("Number is strong\n");
        }
        else{
                printf("Number is not strong\n");
        }
}
```

9. **Check the given number is palindrome or not?**
```c
#include<stdio.h>
void main()
{
   int rem;
        int num;
        int org;
        int rev =0;

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

        org = num;
        while(num != 0)
        {

        rem=num%10;
        rev = (rev*10)+rem;
        num=num/10;
```

```c
                }

                if(org==rev)
                {
                        printf("Number is palindrome");
                }
                else
                {
                        printf("Number is not palindrome");
                }
        }
```

10. **Add the (first and last) digit of a given number**

```c
#include<stdio.h>
void main()
{
        int num, fdigit, ldigit, sum;
        printf("Enter number: ");
        scanf("%d",&num);

        ldigit = num % 10;
        while(num >= 10)
        {
                num = num / 10;
        }
        fdigit = num;

        sum = fdigit + ldigit;
        printf("Sum of first digit and last digit is %d",sum);
}
```