1_numbers1to10

```
void main()
{
	int i=1;
	while(i<=10)
	{
		printf("%d\n",i);
		i++;
	}
}
```

2_table

```
void main()
{
	int no;
	printf("enter the number=");
	scanf("%d",&no);
	int i=1;
	while(i<=10)
	{
		printf("%d*%d=%d\n",no,i,no*i);
		i++;
	}
}
```

3_sumOfNumbersBtn

```
void main()
{
	int a,b,sum=0;
	printf("enter a and b=");
	scanf("%d %d",&a,&b);
	int i=a;
	while(i<=b)
```

```
	{
		sum=sum+i;
		i++;
	}
	printf("sum of numbers btn %d to %d is =%d",a,b,sum);
}
```

4_prime

```
void main()
{
	int num;
	printf("enter the number=");
	scanf("%d",&num);

	int i=1,count=0;
	while(i<=num)
	{
		if(num%i==0)
		count++;
		i++;

	}

	if(count==2)
	printf("%d is prime number",num);
	else
	printf("%d is not a prime number",num);
}
```

5_armstrong

```
void main()
{
	//Armstrong number is number who's sum of cubes of its digits is eqaul to number itself
```

```
        int num;
        printf("enter the number to be check=");
        scanf("%d",&num);
        int num1=num;
        int rem,sum=0;

        while(num1>0)
        {

        rem=num1%10;
        num1=num1/10;
        sum=sum+rem*rem*rem;

    }
    if(sum==num)
    printf("%d is a Armstrong number.",num);

    else
    printf("%d is not a Armstrong number.",num);




}
```

6_perfectNumber

```
void main()
{
        //perfect number is a positive integer that is equal to sum of its proper devisors excluding itself

        int num,sum=0;
```

```
	printf("enter the number=");
	scanf("%d",&num);
	int i=1;
	while(i<num)
	{
		if(num%i==0)
		sum=sum+i;
		i++;
	}
	if(num==sum)
	printf("%d is a perfect number",num);

	else
	printf("%d is not a perfect number",num);

}
```

7_factorial

```
void main()
{
	int num;
	printf("enter the number whole factorial is to be find=");
	scanf("%d",&num);
	int fact=1;

	int i=num;
	while(i>0)
	{
		fact*=i;
		i--;
	}
	printf("factorial of %d is =%d",num,fact);
```

```
}
```

8_strong number

//strong number is a number who's sum of factorial of each digit is same as number itself

```
void main()
{
	int num;
	printf("enter the number=");
	scanf("%d",&num);
	int i=num;
	int rem,sum=0;
	while(i>0)
	{
		//1.extracting last digit of number
		rem=i%10;
		i=i/10;
		//2.finding factorial of last digit i.e fact of rem
		int fact=1;
		while(rem>0)
		{
			fact*=rem;
			rem--;
		}
		//3.adding the factorial of each digit.
		sum+=fact;
	}
	if(sum==num)
	printf("%d is a Strong Number.",num);
	else
	printf("%d is not a Strong number.",num);
}
```

9_isPalindrome

```
void main()
{
	int num;
	printf("enter the number=");
	scanf("%d",&num);

	int i=num,rem,rev=0;
	while(i>0)
	{
		rem=i%10;
		i=i/10;
		rev=rev*10+rem;
	}
	if(rev==num)
	printf("%d is a Palindrome number.",num);
	else
	printf("%d is not a Palindrome number",num);
}
```

10_SumOf_FirstAndLstDigit

```
void main()
{
	int num;
	printf("enter the number=");
	scanf("%d",&num);
	int rem,first,last;
	int i=num;
	while(i>0)
	{
		rem=i%10;
		if(i==num)
```

```
        last=rem;
        i=i/10;
    }

    first=rem;
    printf("sum of first and last digit of %d is=%d",num,first+last);

}
```