

### 1.WAP to find addition of 2 numbers using while loop

```
while (condition){  
    set of statements  
}
```

A	B
10	5
11	4
12	3
13	2
14	1
15	0

#### CONDITION

while b!=0

increment the val  
of a by 1

decrement the val of  
b by 1

#### Program

```
#include <stdio.h>  
void main()  
{  
    int a,b;  
    printf("Enter Two Numbers:");  
    scanf("%d%d",&a,&b);  
    while(b!=0){  
        b--;  
        a++;  
    }  
    printf("Sum=%d",a);  
}
```

### 2.WAP to find subtraction of two numbers using while loop

A	B
10	5
9	4
8	3
7	2
6	1
5	0

#### Program

```
#include <stdio.h>  
void main()  
{  
    int a,b;  
    printf("Enter Two Numbers:");  
    scanf("%d%d",&a,&b);  
    while(b!=0){  
        b--;  
        a--;  
    }  
    printf("Sub=%d",a);  
}
```

### 3.WAP to find multiplication of given two numbers using while loop

A	B	R
		0
10	5	10
	4	20
	3	30
	2	40
	1	50
	0	

#### **Program**

```
#include <stdio.h>
void main()
{
    int a,b,r;
    printf("Enter Two Numbers:");
    scanf("%d%d",&a,&b);
    while(b!=0){
        b--;
        r=r+a;
    }
    printf("Mul=%d",r);
}
```

4.WAP to find the division of two numbers using while loop

A	B	R
		0
5	10	1
5		2
0		

#### **Program**

```
#include <stdio.h>
void main()
{
    int a,b,r;
    printf("Enter Two Numbers:");
    scanf("%d%d",&a,&b);
    while(a>=b){
        r++;
        a=a-b;
    }
    printf("Div=%d",r);
}
```

5.WAP to read a number and find the reverse for that number

N0	Rem	Rev
		0
125	5	5
12	2	52
1	1	521
0		

### **Program**

```

#include <stdio.h>
void main()
{
    int rem,rev,no;
    printf("Enter One Number:");
    scanf("%d",&no);
    while(no!=0){
        rem = no%10;
        rev=rev*10+rem;
        no=no/10;
    }
    printf("Rev=%d",rev);
}

```