

**2: calculate the sum of numbers (10 numbers max) & If the user enters a negative number, it's not added to the result.**

```
#include<stdio.h>

int main()
{
    int i,n,sum=0;
    for(i = 1 ; i <= 10 ; i++)
    {
        printf("enter number: ");
        scanf("%d",&n);
        if (n<0)
            continue;
        sum+=n;
    }
    printf("sum =%d",sum);

return 0;
```

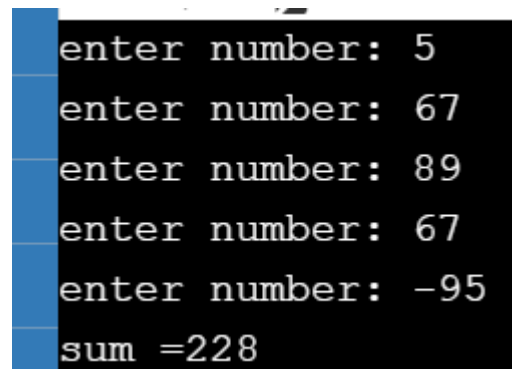
enter number: 6	enter number: 4
enter number: 8	enter number: 3
enter number: 7	enter number: 6
enter number: 2	enter number: 7
enter number: 6	enter number: 9
enter number: 3	enter number: 1
enter number: 2	enter number: -8
enter number: 0	enter number: 5
enter number: 4	enter number: 5
enter number: 3	enter number: 9
sum =41	sum =49

**1: calculate the sum of numbers (10 numbers max) & If the user enters a negative number, the loop terminates**

```
#include<stdio.h>

int main()
{
    int i,n,sum=0;
    for(i = 1 ; i <= 10 ; i++)
    {
        printf("enter number: ");
        scanf("%d",&n);
        if (n<0)
            break;
        sum+=n;
    }
    printf("sum =%d",sum);

    return 0;
}
```



```
enter number: 5
enter number: 67
enter number: 89
enter number: 67
enter number: -95
sum =228
```

**3: take input from the user until he/she enters zero. (Using Break)**

```
#include<stdio.h>

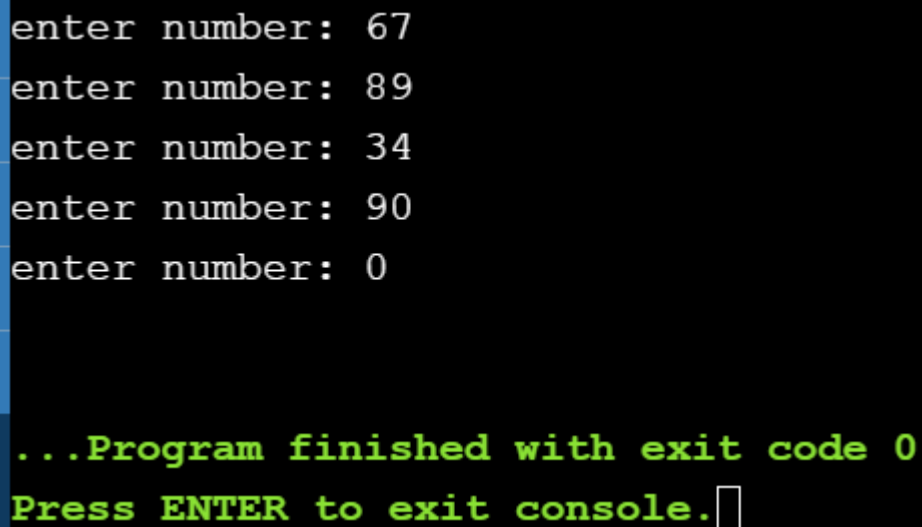
main()
{
    int i,n;
    for(i = 1 ; i <= 10 ; i++)
```

```

{
    printf("enter number: ");
    scanf("%d",&n);
    if (n==0)
        break;
}

}

```



```

enter number: 67
enter number: 89
enter number: 34
enter number: 90
enter number: 0

...Program finished with exit code 0
Press ENTER to exit console.

```

#### 4: check whether the given number is prime or not.(Using Break)

```

#include<stdio.h>

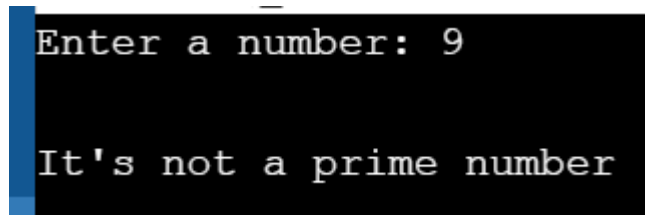
int main()
{
    int num, i, c=0;
    printf("Enter a number: ");
    scanf("%d", &num);
    for(i=2; i<num; i++)
    {
        if(num%i == 0)
        {
            c++;
            break;
        }
    }
}

```

```

}
if(c==0)
    printf("\nIt's a prime number");
else
    printf("\nIt's not a prime number");
return 0;
}

```



```

Enter a number: 9
It's not a prime number

```

**5: print sum of odd numbers between 0 and 10. (Using Continue)**

```

#include <stdio.h>

int main() {
    int n, i, sum;
    for(i=0; i<=10; i++)
    {
        printf("Enter the value for n:");
        scanf("%d", &n);
        if(n%2==1)
        {
            sum=sum+n;
            printf("Sum:%d\n", sum);
            continue;
        }
        printf("The total sum is:%d\n", sum);
    }
    return 0;
}

```

```
Enter the value for n:1
Sum:1
Enter the value for n:2
The total sum is:1
Enter the value for n:3
Sum:4
Enter the value for n:4
The total sum is:4
Enter the value for n:5
< Sum:9
Enter the value for n:6
The total sum is:9
Enter the value for n:7
Sum:16
Enter the value for n:8
The total sum is:16
Enter the value for n:9
Sum:25
Enter the value for n:0
The total sum is:25
ct Enter the value for n:9
Sum:34
```

6: check whether the given number is prime or not.(Using Continue)

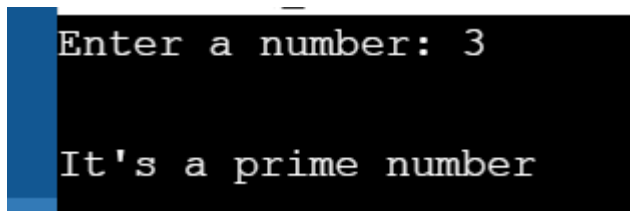
```
#include<stdio.h>

int main()
{
    int num, i, c=0;
    printf("Enter a number: ");
    scanf("%d", &num);
    for(i=2; i<num; i++)
```

```

{
    if(num%i == 0)
    {
        c++;
        continue;
    }
}
if(c==0)
    printf("\nIt's a prime number");
else
    printf("\nIt's not a prime number");
return 0;
}

```



```

Enter a number: 3
It's a prime number

```

### 7: print all even numbers from 1 to 100. (Using Continue)

```

#include <stdio.h>

int main() {
    int i;
    printf("Even numbers between 1 to 100:\n");
    for (i = 1; i <= 100; i++)
    {
        if(i%2 == 0)
        {
            printf("%d ", i);
        }
    }
    return 0;
}

```

```

}
/tmp/3p86xq6a/0.0
Even numbers between 1 to 100:
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54
56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100 |

```

#### 8: print numbers from 1 to 10 using goto statement. (Using goto)

```

#include <stdio.h>

int main() {
    int n,i=1;

    printf("enter the number whose table you want to print?");

    scanf("%d",&n);

    table:

        printf("%d\n",i);

        i++;

        if (i<=10)

            goto table;

}

```

```

enter the number whose table you want to print?1
1
2
3
4
5
6
7
8
9
10

```

#### 9: Program to calculate the sum and average of positive numbers, If the user enters a negative number, the sum and average are displayed. (Using goto)

```

#include<stdio.h>

int main() {

```

```

const int maxInput = 10;

int i;

int number, average, sum = 0.0;

for (i = 1; i <= maxInput; ++i) {
    printf("%d, Enter a number: ", i);
    scanf("%d", &number);

    if (number < 0) {
        goto level;
    }

    sum += number;
}

level:

average = sum / (i - 1);
printf("Sum = %d\n", sum);
printf("Average = %d", average);

return 0;
}

```

```

1, Enter a number: 3
2, Enter a number: 45
3, Enter a number: -9
Sum = 48
Average = 24

```

**10: check if a number is even or not. (Using goto)**

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



```
int main() {  
    int n;  
    printf("enter a number:");  
    scanf("%d",&n);  
    if(n%2==0)  
        goto even;  
    else  
        goto odd;  
    even:  
        printf("%d is even\n",n);  
    odd:  
        printf("%d is odd\n",n);  
  
    return 0;  
}
```

```
enter a number:3  
is odd
```

