

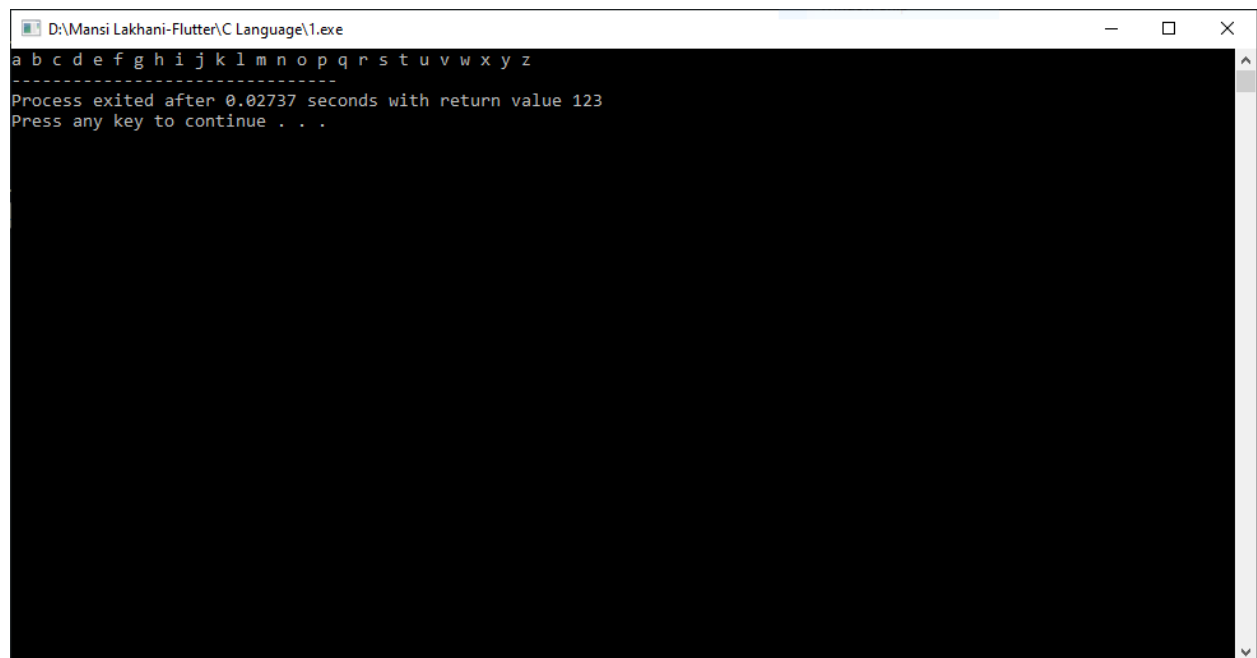
Practical-1

Aim: Write a C program to print all alphabets from a to z. using do-while loop

Program:

```
#include<stdio.h>
main()
{
    char i;
    i='a';
    do
    {
        printf("%c ",i);
        i++;
    }
    while(i<='z');
}
```

Output:



The screenshot shows a Windows command prompt window titled "D:\Mansi Lakhani-Flutter\C Language\1.exe". The output of the program is displayed as a single line of lowercase letters from 'a' to 'z' separated by spaces: "a b c d e f g h i j k l m n o p q r s t u v w x y z". Below this, the program's exit status is shown: "Process exited after 0.02737 seconds with return value 123" and "Press any key to continue . . .". The window has a standard Windows title bar with minimize, maximize, and close buttons.

Practical-2

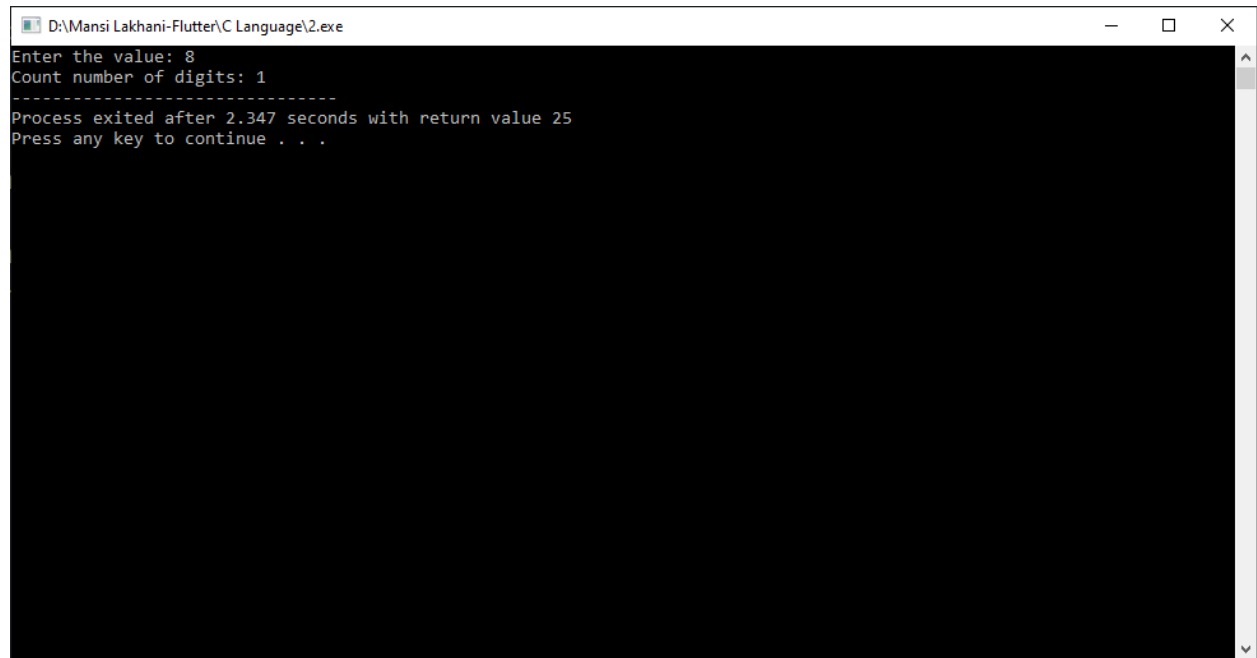
Aim: Write a C program to count a number of digits in a number.

Program:

```
#include<stdio.h>
main()
{
    int n,c=0;

    printf("Enter the value: ");
    scanf("%d",&n);
    while(n!=0)
    {
        n=n/10;
        c++;
    }
    printf("Count number of digits: %d",c);
}
```

Output:



A screenshot of a Windows command prompt window. The title bar at the top reads "D:\Mansi Lakhani-Flutter\C Language\2.exe" and includes standard minimize, maximize, and close buttons. The command prompt area has a black background with white text. The text displayed is as follows:

```
Enter the value: 8
Count number of digits: 1
-----
Process exited after 2.347 seconds with return value 25
Press any key to continue . . .
```

The output shows that the user entered the value 8, and the program counted the number of digits as 1. It then displayed a separator line, the execution time, the return value, and a prompt to press any key to continue.

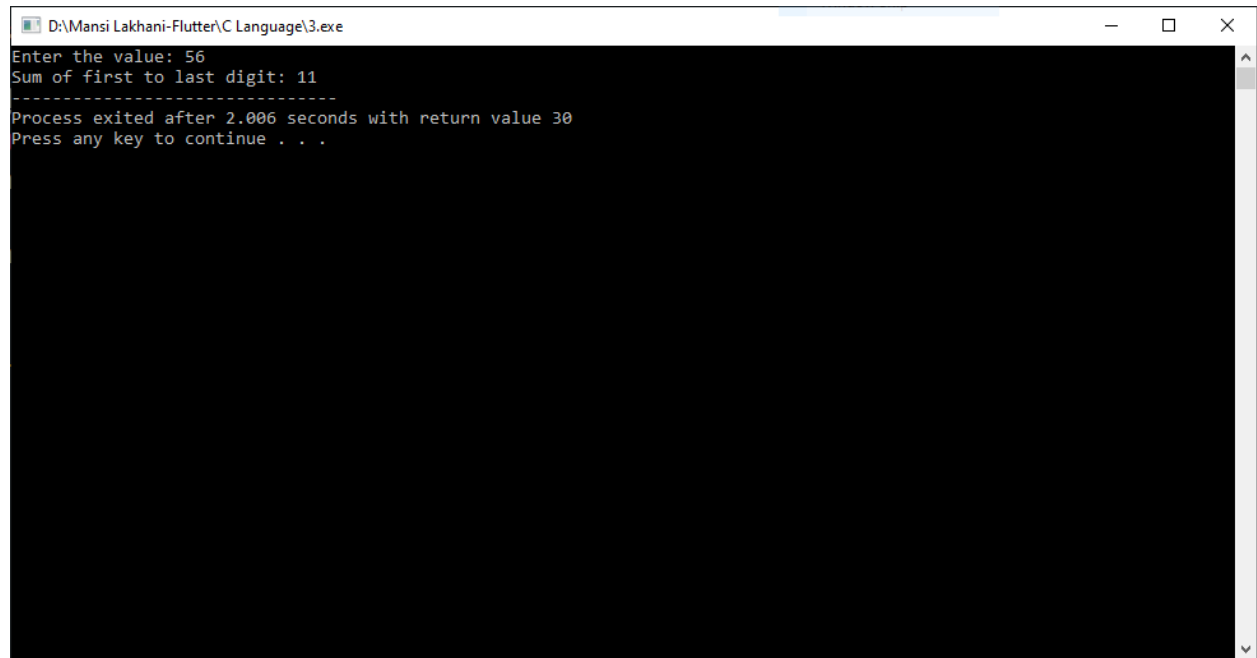
Practical-3

Aim: Write a C program to find the sum of the first and last digit of a number.

Program:

```
#include<stdio.h>
main()
{
    int n,sum=0,fd,ld;
    printf("Enter the value: ");
    scanf("%d",&n);
    ld=n%10;
    while(n>=10)
    {
        n=n/10;
    }
    fd=n;
    sum=fd+ld;
    printf("Sum of first to last digit: %d",sum);
}
```

Output:



A screenshot of a Windows command prompt window. The title bar at the top reads "D:\Mansi Lakhani-Flutter\C Language\3.exe" and includes standard minimize, maximize, and close buttons. The command prompt has a black background with white text. The output displayed is as follows:

```
Enter the value: 56
Sum of first to last digit: 11
-----
Process exited after 2.006 seconds with return value 30
Press any key to continue . . .
```

The text is left-aligned. There is a vertical scrollbar on the right side of the window, indicating that the output can be scrolled through.

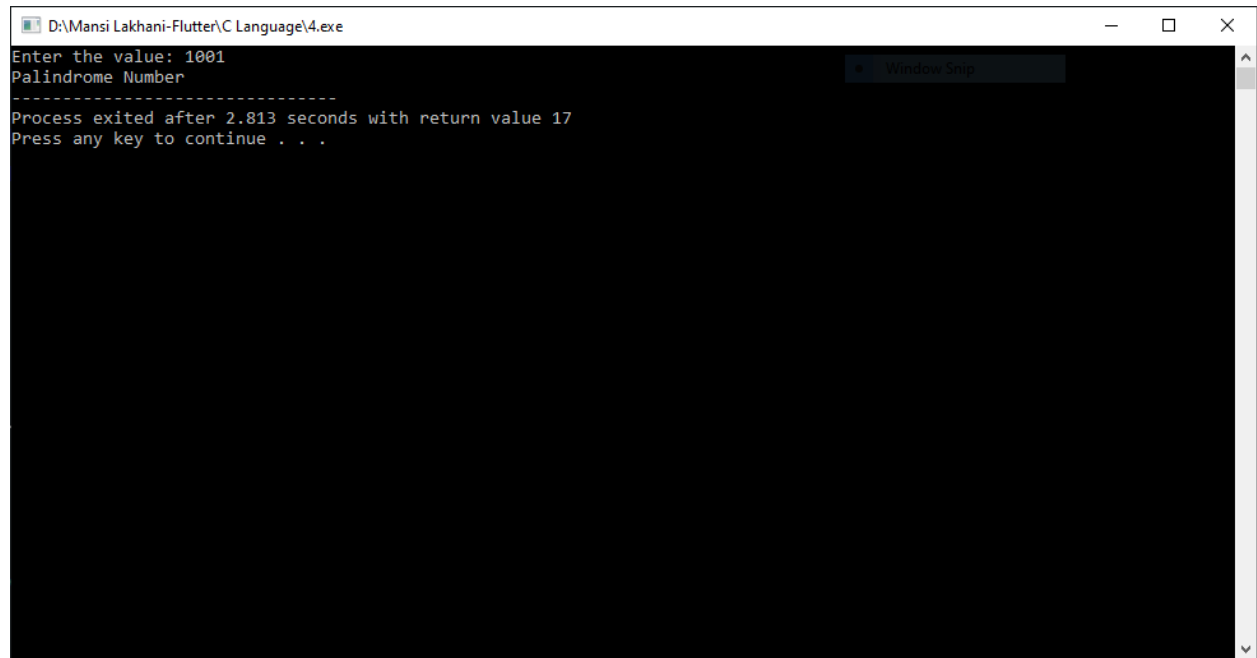
Practical-4

Aim: Write C program to enter a number and print its reverse & check whether num is palindrome or not?

Program:

```
#include<stdio.h>
main()
{
    int n,r=0,t;
    printf("Enter the value: ");
    scanf("%d",&n);
    t=n;
    while(n>0)
    {
        r=(r*10)+n%10;
        n=n/10;
    }
    if(t==r)
    {
        printf("Palindrome Number");
    }
    else
    {
        printf("Not Palindrome number");
    }
}
```

Output:



```
D:\Mansi Lakhani-Flutter\C Language\4.exe
Enter the value: 1001
Palindrome Number
-----
Process exited after 2.813 seconds with return value 17
Press any key to continue . . .
```

Practical-5

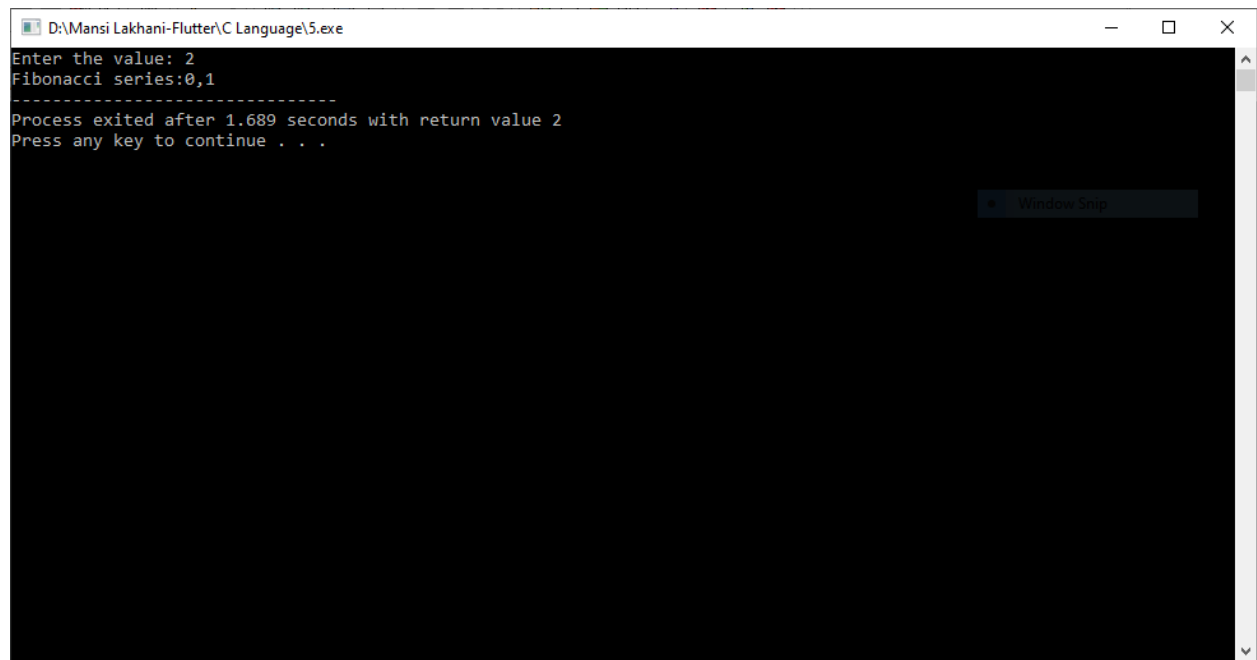
Aim: Write C program print out Fibonacci series. (0,1,1,2,3,5,8...)

Program:

```
#include<stdio.h>
main()
{
    int i,n,t1,t2;
    int s=t1+t2;
    printf("Enter the value: ");
    scanf("%d",&n);
    printf("Fibonacci series:%d,%d",t1,t2);
    for(i=3;i<=n;i++)
    {

        printf("%d",s);
        t1=t2;
        t2=s;
        n=t1;
    }
}
```


Output:



```
D:\Mansi Lakhani-Flutter\C Language\5.exe
Enter the value: 2
Fibonacci series:0,1
-----
Process exited after 1.689 seconds with return value 2
Press any key to continue . . .
```

The screenshot shows a Windows command prompt window titled "D:\Mansi Lakhani-Flutter\C Language\5.exe". The window has a black background and white text. The text displayed is as follows: "Enter the value: 2", "Fibonacci series:0,1", a line of ten dashes, "Process exited after 1.689 seconds with return value 2", and "Press any key to continue . . .". A "Window Snip" watermark is visible in the bottom right corner of the window.

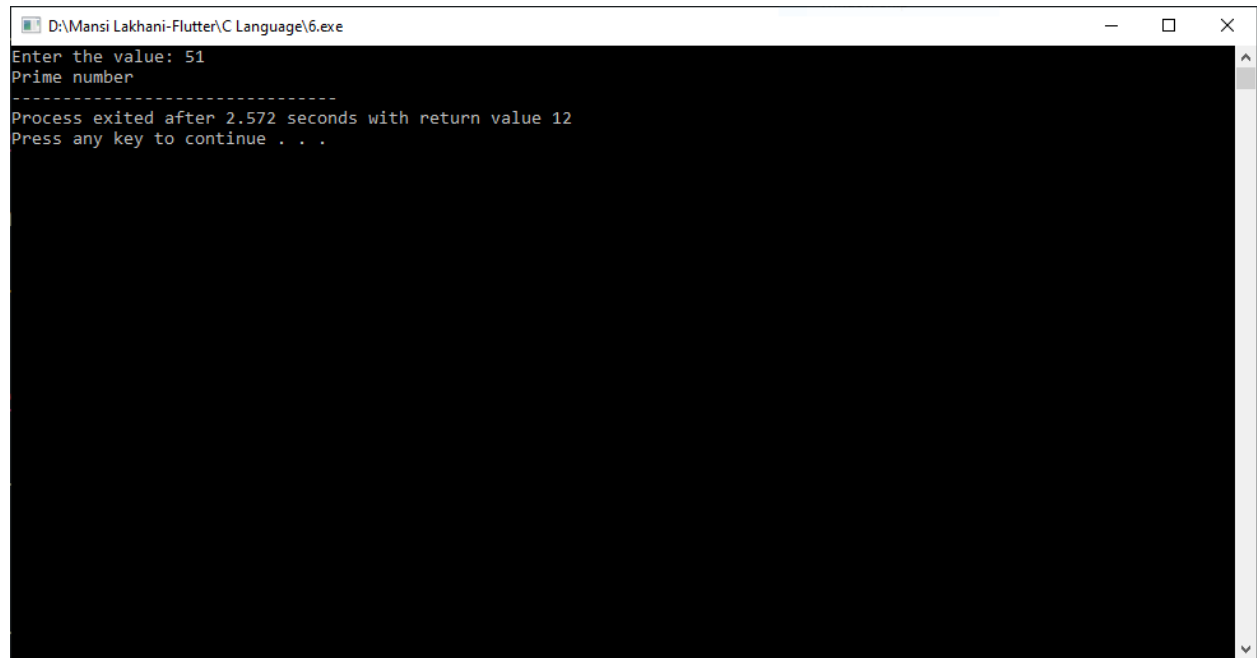
Practical-6

Aim: Program Check whether num is prime or not.

Program:

```
#include<stdio.h>
main()
{
    int n,i;
    printf("Enter the value: ");
    scanf("%d",&n);
    for(i=2;i<=n;i++)
    {
        if(n%i==0)
        {
            i++;
        }
    }
    if(i==2)
    {
        printf("Not prime number");
    }
    else
    {
        printf("Prime number");
    }
}
```

Output:



A screenshot of a Windows command prompt window. The title bar at the top reads "D:\Mansi Lakhani-Flutter\C Language\6.exe" and includes standard minimize, maximize, and close buttons. The command prompt area has a black background with white text. The text displayed is as follows:

```
Enter the value: 51
Prime number
-----
Process exited after 2.572 seconds with return value 12
Press any key to continue . . .
```

The output indicates that the program successfully processed the input value 51 and returned a value of 12 before exiting.