Practical-1

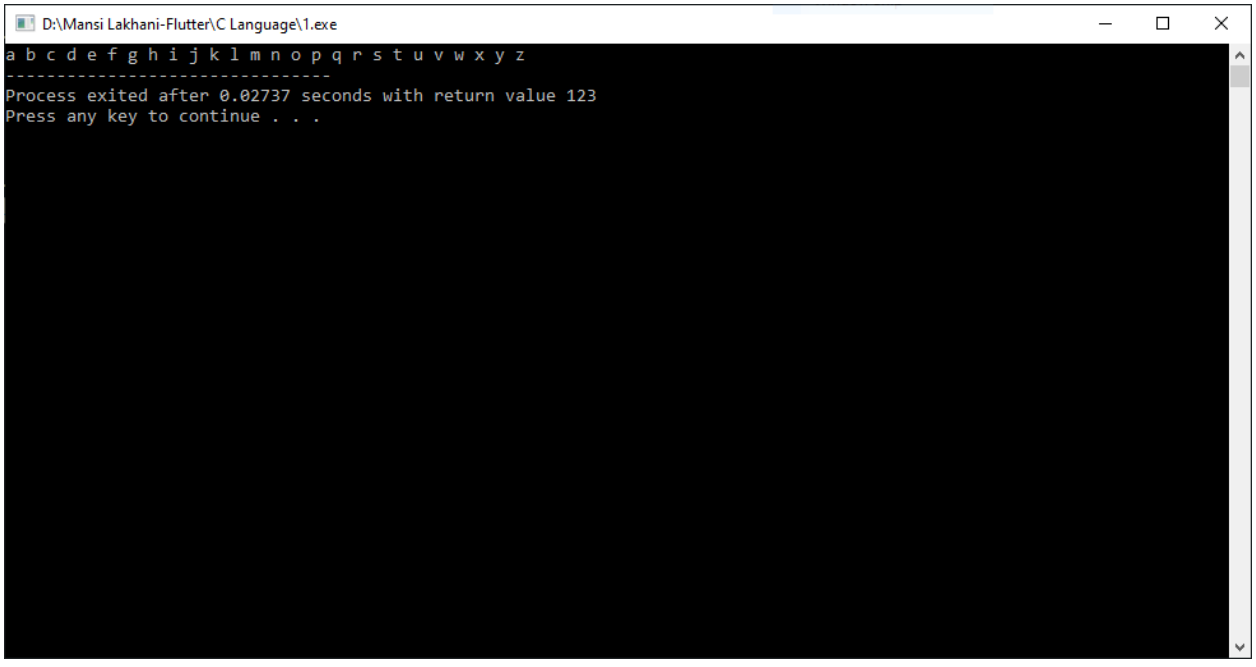
Aim: Write a C program to print all alphabets from a to z. using do-while loop

Program:

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

}
```

Output:



Practical-2

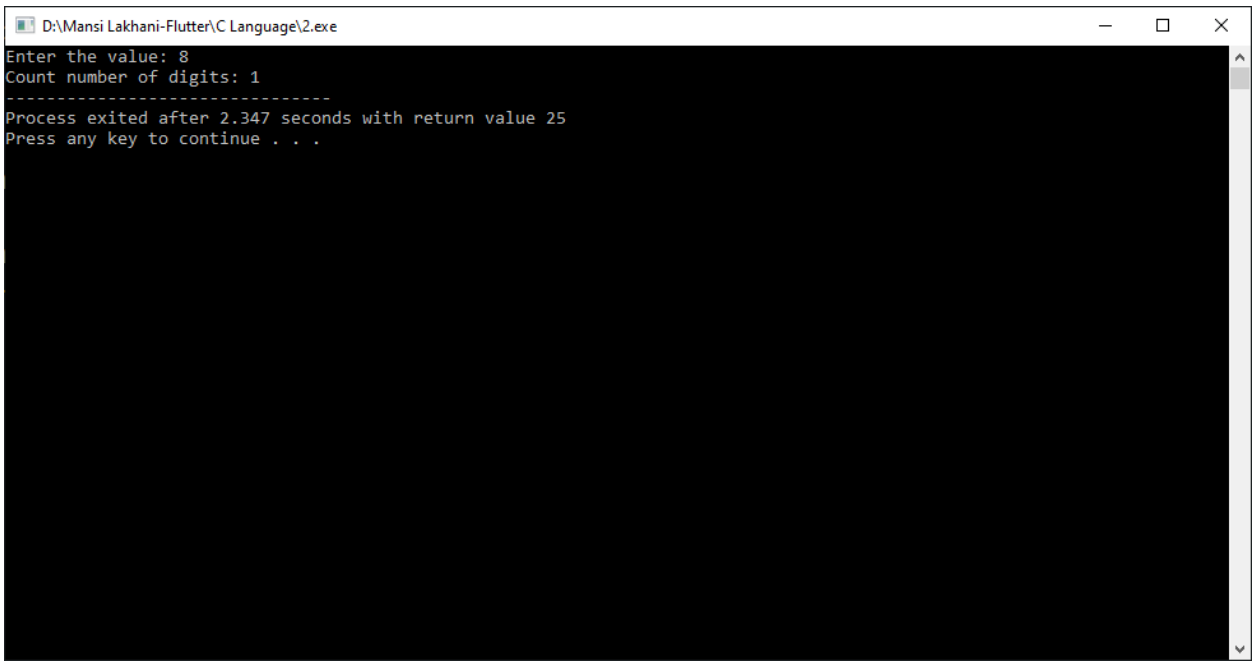
Aim: Write a C program to count a number of digits in a number.

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:


D:\Mansi Lakhani-Flutter\C Language\2.exe
Enter the value: 8
Count number of digits: 1

Process exited after 2.347 seconds with return value 25
Press any key to continue . . .

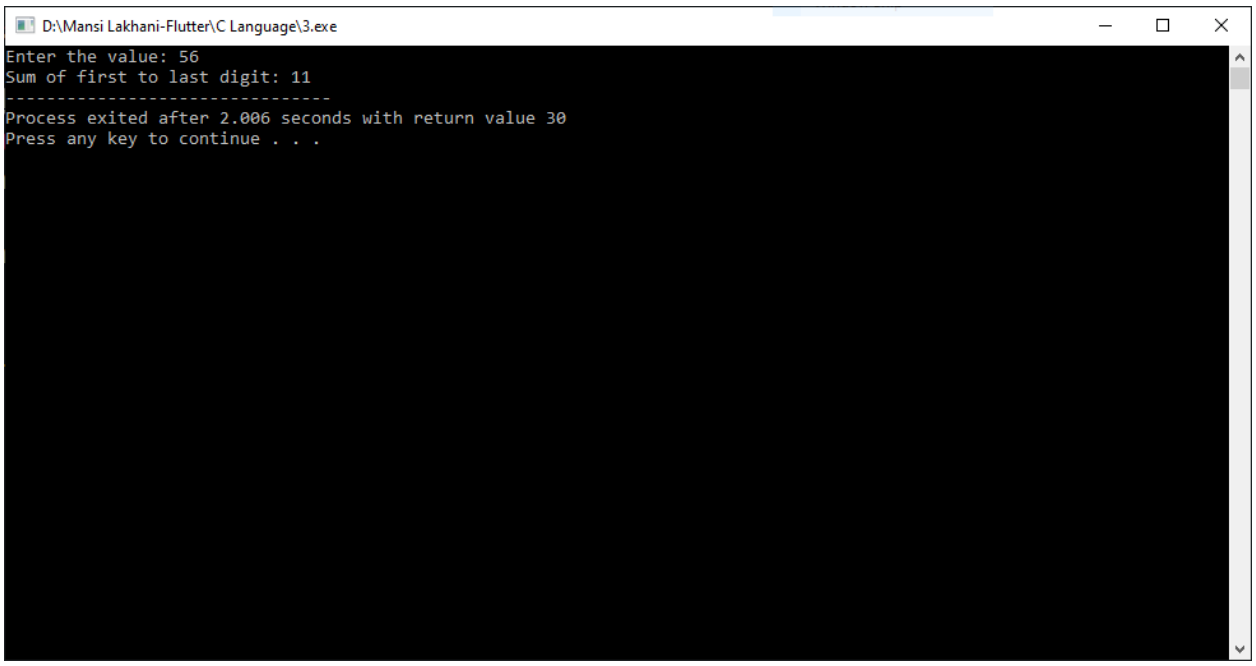
Practical-3

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:


D:\Mansi Lakhani-Flutter\C Language\3.exe
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 . . .

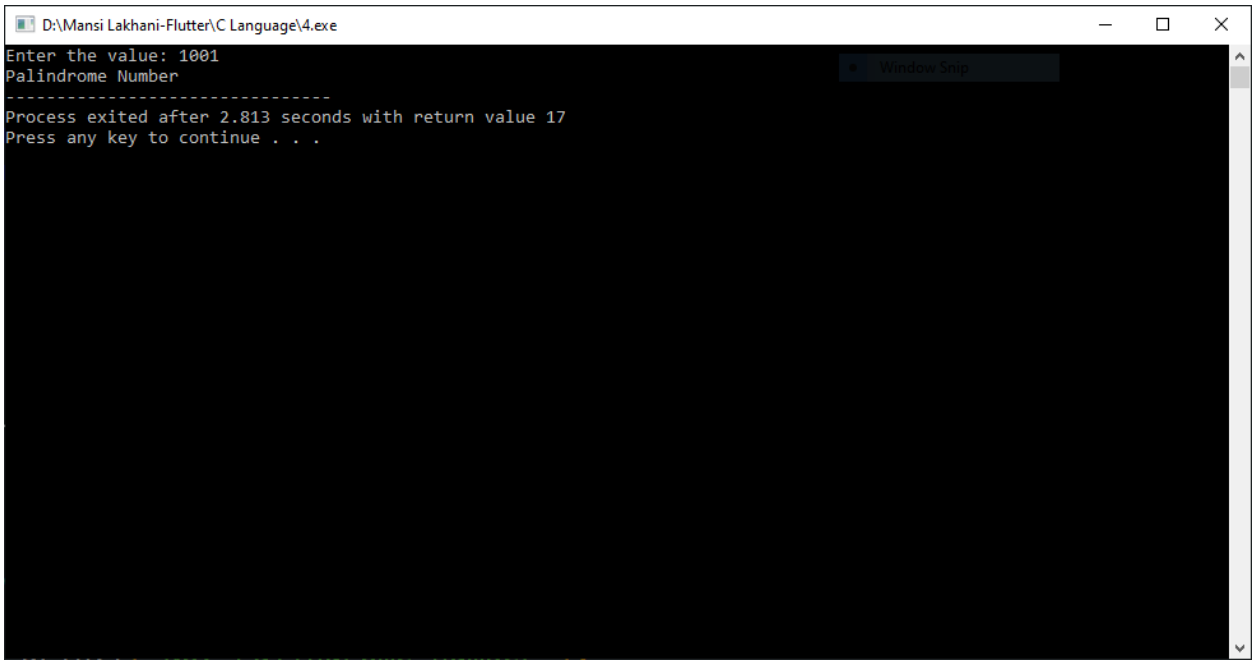
Practical-4

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

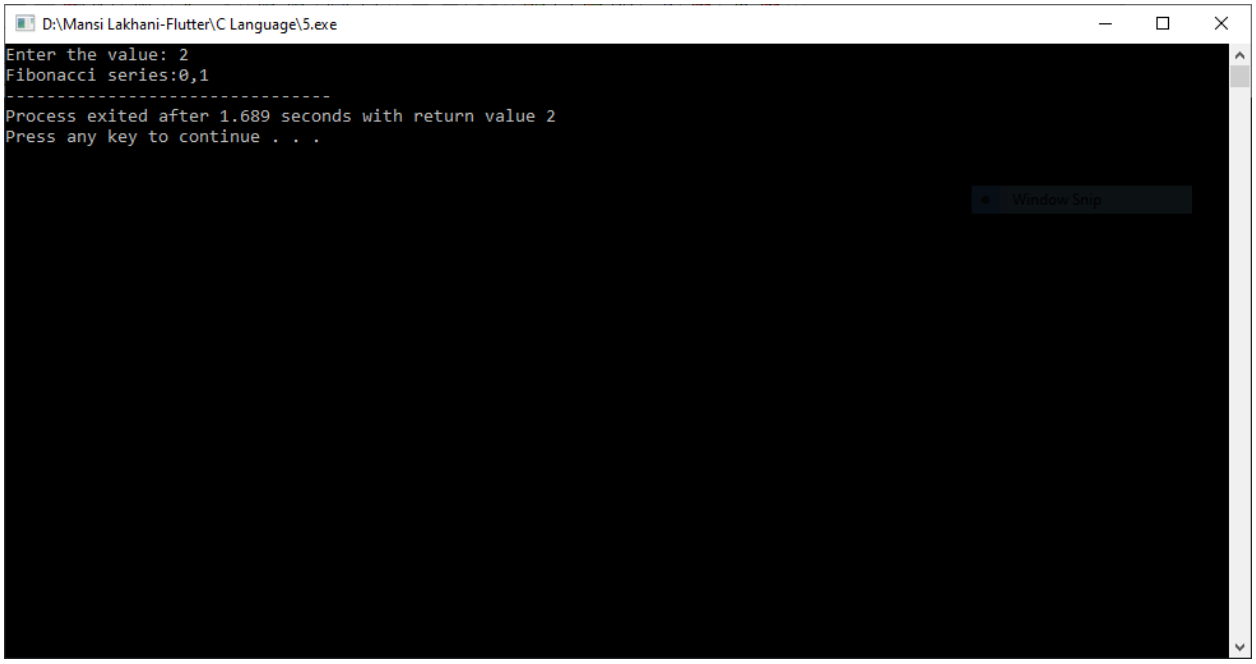
Aim: Write C program print out Fibonacci series. (0,1,1,2,3,5,8…)

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 . . .

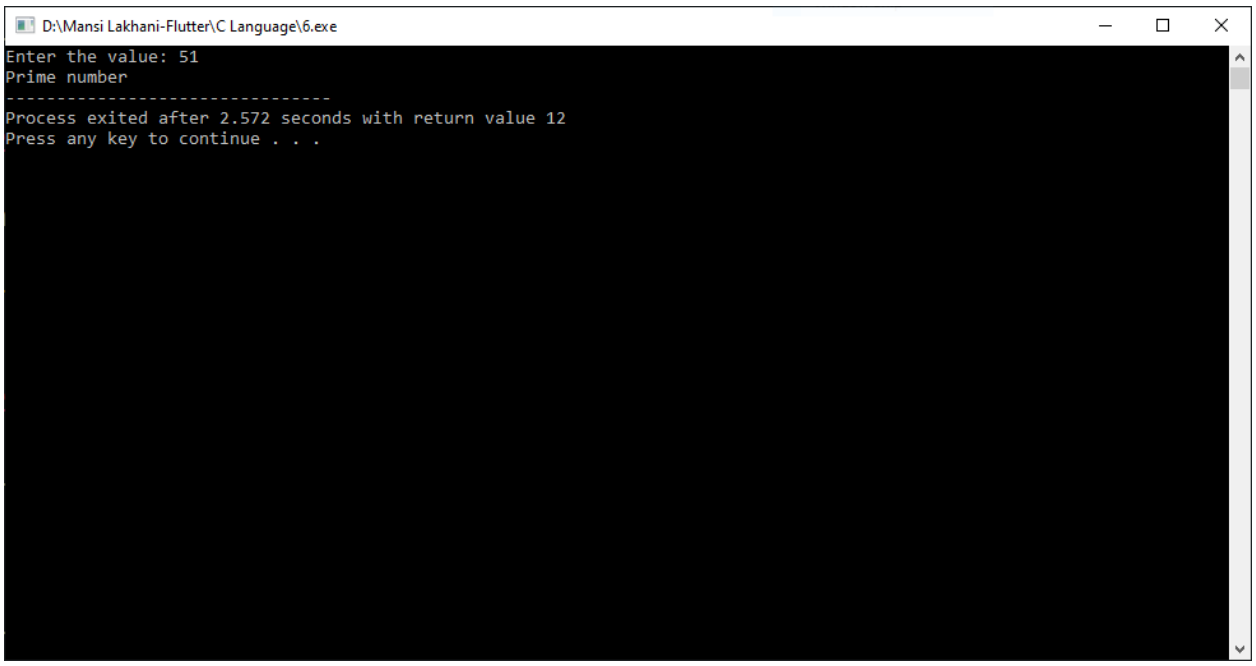
Practical-6

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:


D:\Mansi Lakhani-Flutter\C Language\6.exe
Enter the value: 51
Prime number

Process exited after 2.572 seconds with return value 12
Press any key to continue . . .