

## DATASTRUCTURES-0396

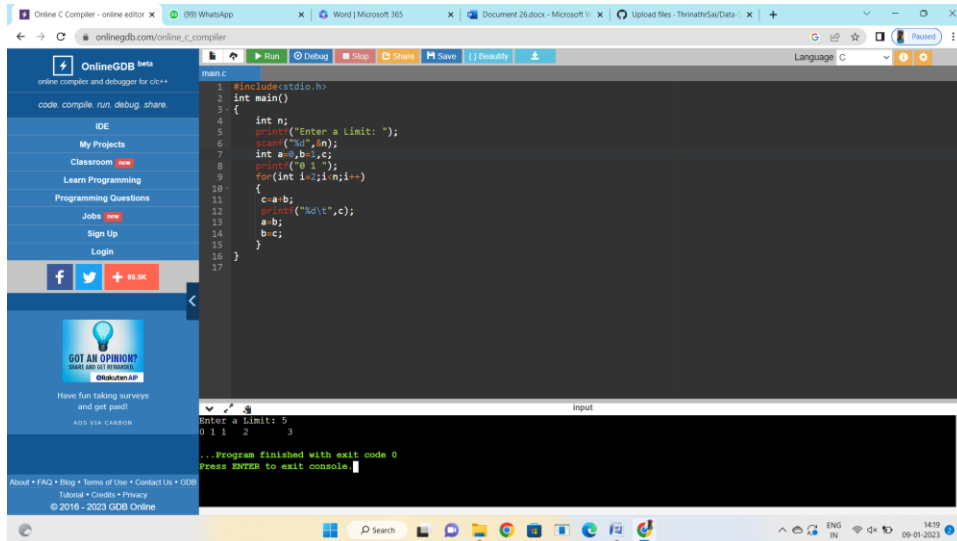
### 4. Write a C program to find Fibonacci series without using Recursion

#### CODING:

```
#include<stdio.h>

int main()
{
    int n;
    printf("Enter a Limit: ");
    scanf("%d",&n);
    int a=0,b=1,c;
    printf("0 1 ");
    for(int i=2;i<n;i++)
    {
        c=a+b;
        printf("%d\t",c);
        a=b;
        b=c;
    }
}
```

# OUTPUT:



The screenshot displays the OnlineGDB web interface. The left sidebar contains navigation links: OnlineGDB, code compile, run, debug, share, IDE, My Projects, Classroom, Learn Programming, Programming Questions, Jobs, Sign Up, and Login. The main editor area shows a C program named 'main.c' with the following code:

```
1 #include<stdio.h>
2 int main()
3 {
4     int n;
5     printf("Enter a Limit: ");
6     scanf("%d",&n);
7     int a,b,c;
8     printf("0 1 ");
9     for(int i=1;i<=n;i++)
10     {
11         c=a+b;
12         printf("%d\t",c);
13         a=b;
14         b=c;
15     }
16 }
17
```

The output window at the bottom shows the program's execution results:

```
Enter a limit: 5
0 1 1 2 3
...Program finished with exit code 0
Press ENTER to exit console
```

The browser's taskbar at the bottom shows the Windows Start button, a search bar, and several application icons. The system tray on the right indicates the date and time as 09-01-2023, 14:19.