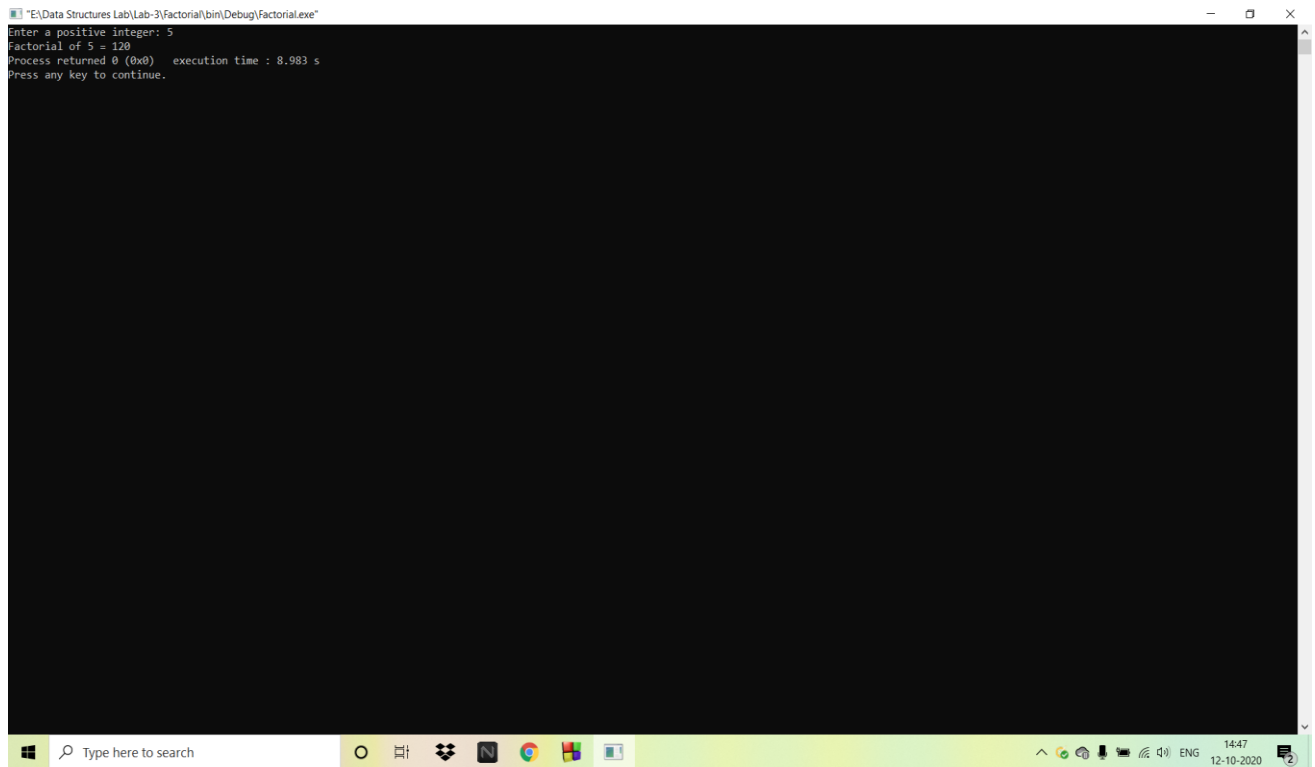


1.FACTORIAL OUTPUT

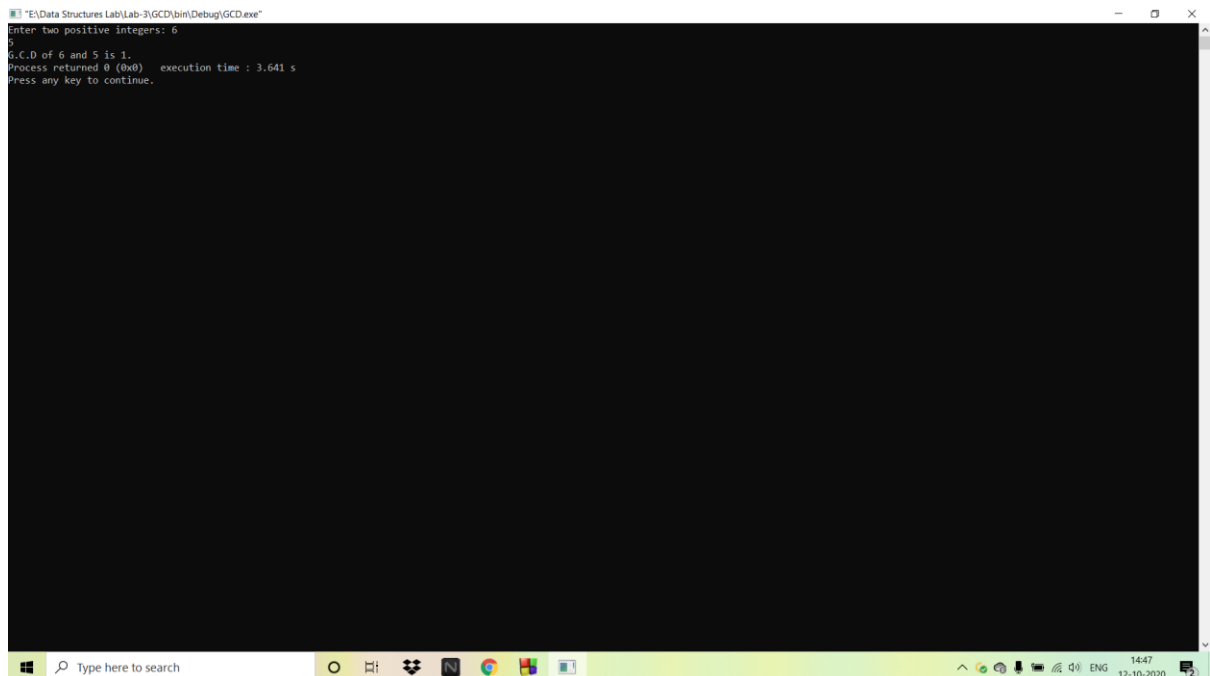


The screenshot shows a Windows command prompt window titled "E:\Data Structures Lab\Lab-3\Factorial\bin(Debug\Factorial.exe". The output text is as follows:

```
Enter a positive integer: 5
Factorial of 5 = 120
Process returned 0 (0x0)   execution time : 8.983 s
Press any key to continue.
```

The window is running on a Windows 10 desktop, with the taskbar visible at the bottom showing the search bar, task view, and various application icons. The system tray on the right shows the date and time as 14:47 on 12-10-2020.

2.G C D OUTPUT



The screenshot shows a Windows command prompt window titled "E:\Data Structures Lab\Lab-3\GCD\bin(Debug\GCD.exe". The output text is as follows:

```
Enter two positive integers: 6
5
G.C.D of 6 and 5 is 1.
Process returned 0 (0x0)   execution time : 3.641 s
Press any key to continue.
```

The window is running on a Windows 10 desktop, with the taskbar visible at the bottom showing the search bar, task view, and various application icons. The system tray on the right shows the date and time as 14:47 on 12-10-2020.

3 TOWER OF HANOI OUTPUT

```
"E:\Data Structures Lab\Lab-3\TOH\bin\Debug\TOH.exe"
Enter number of disks
3
Move disk 1 from rod A to rod C
Move disk 2 from rod A to rod B
Move disk 1 from rod C to rod B
Move disk 3 from rod A to rod C
Move disk 1 from rod B to rod A
Move disk 2 from rod B to rod C
Move disk 1 from rod A to rod C
Process returned 0 (0x0)   execution time : 4.033 s
Press any key to continue.
```

4 FIBBANOCCHI OUTPUT

```
"E:\Data Structures Lab\Lab-3\Fibonacci\bin\Debug\Fibonacci.exe"
Enter number of Terms
5
5
Process returned 0 (0x0)   execution time : 3.846 s
Press any key to continue.
```

5.BINARY SEARCH

```
"E:\Data Structures Lab\Lab-3\Binary Search\bin\Debug\Binary Search.exe"
Enter the size of array
5
Enter the 1 element
1
Enter the 2 element
2
Enter the 3 element
3
Enter the 4 element
4
Enter the 5 element
5
Enter the number to search
3
Element is present at index 2
Process returned 0 (0x0)   execution time : 7.347 s
Press any key to continue.
```