

## Output:

```
C:\Users\Roshan\Desktop\5thsem_Github>cd "c:\Users\Roshan\Desktop\5thsem_Github\DAAl  
5thsem_Github\DAAl"lab1
```

```
Enter 1 for GCD  
Enter 2 for Factorial  
Enter 3 for Linear Search  
Enter 4 for Fibonacci Series  
Enter 5 for Exit  
Enter a number (1-5): 1  
Enter value of a and b:  
20  
6  
The value of GCD(20, 6) is: 2
```

```
Enter 1 for GCD  
Enter 2 for Factorial  
Enter 3 for Linear Search  
Enter 4 for Fibonacci Series  
Enter 5 for Exit  
Enter a number (1-5): 2  
Enter a number for factorial: 6  
The factorial value of 6! is 720
```

```
Enter 1 for GCD  
Enter 2 for Factorial  
Enter 3 for Linear Search  
Enter 4 for Fibonacci Series  
Enter 5 for Exit  
Enter a number (1-5): 3  
Enter an array of size 5:  
3  
6  
2  
8  
1  
Enter a number to search: 2  
Element found at index: 2
```

```
Enter 1 for GCD  
Enter 2 for Factorial  
Enter 3 for Linear Search  
Enter 4 for Fibonacci Series  
Enter 5 for Exit  
Enter a number (1-5): 4  
Enter the number of terms to print: 7  
0 1 1 2 3 5 8
```

```
Enter 1 for GCD  
Enter 2 for Factorial  
Enter 3 for Linear Search  
Enter 4 for Fibonacci Series  
Enter 5 for Exit  
Enter a number (1-5): 5  
Exit successfully
```

```
c:\Users\Roshan\Desktop\5thsem_Github\DAA>
```