

Tab 1

Experiment 1

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ROLL NO:47

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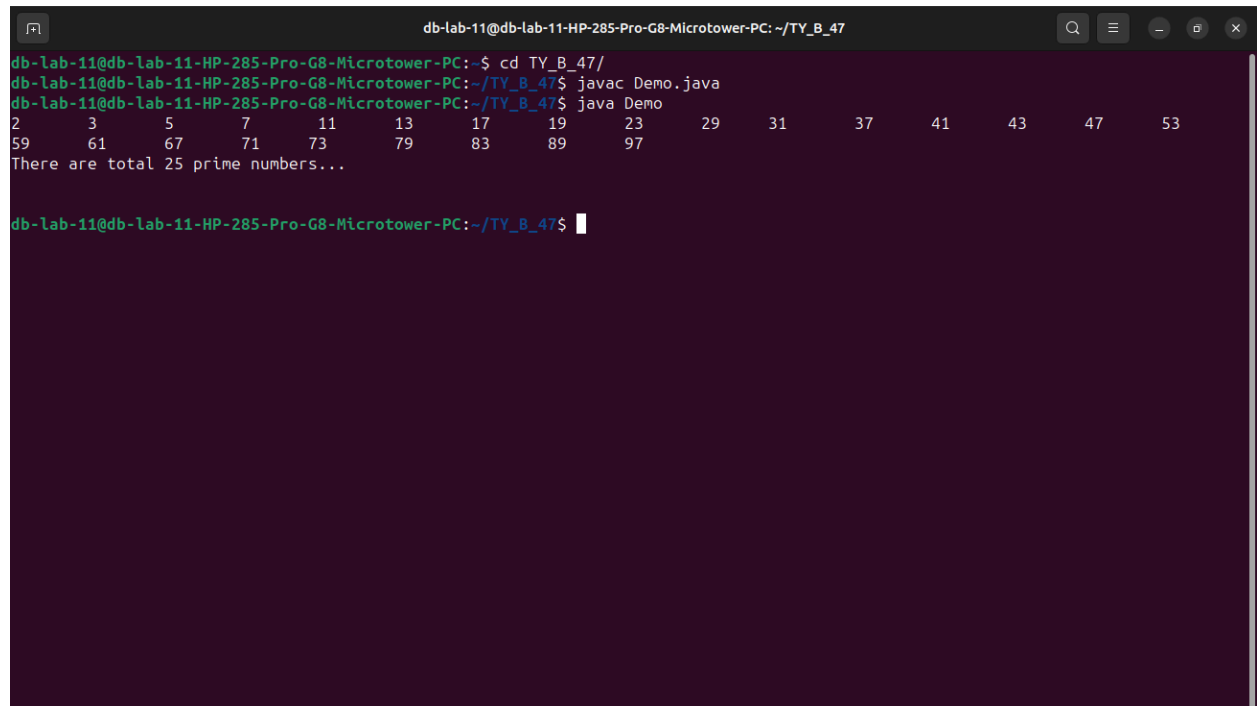
A) Find prime number 1 to 100

```
class Demo
{
    public static void main(String s[])
    {
        int count=0;
        for(int num=2;num<=100;num++)
        {
            int result=findPrime(num);

            if(result!=0)
            {
                count++;
                System.out.print(result+"\t");
            }
        }
        System.out.println("\nThere are total "+count+" prime numbers...\n\n");
    }
    static int findPrime(int no)
    {
        int flag=0;
        for(int i=2;i<no;i++)
        {
            if(no%i==0)
            {
                flag=1;
                break;
            }
        }
        if(flag==0)
        {
            return no;
        }
    }
}
```

```
    }  
    else  
    {  
        return 0;  
    }  
}  
}
```

output:

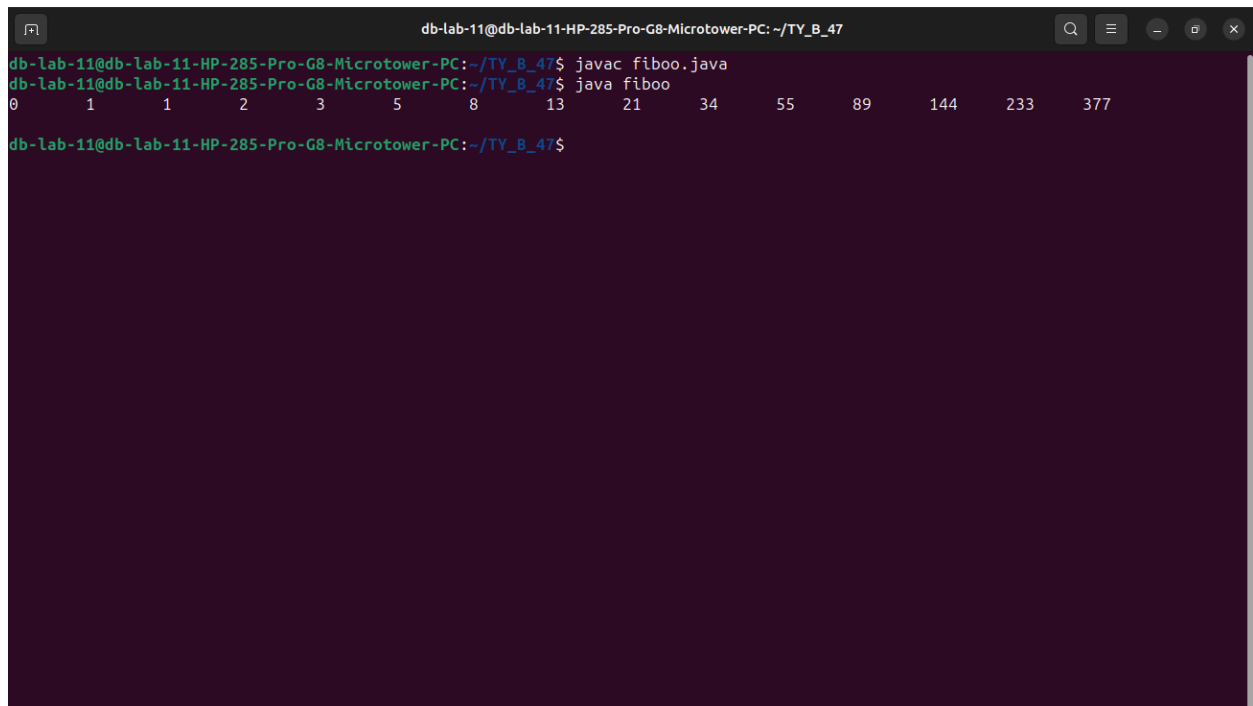


```
db-lab-11@db-lab-11-HP-285-Pro-G8-Microtower-PC: ~/TY_B_47  
db-lab-11@db-lab-11-HP-285-Pro-G8-Microtower-PC:~/TY_B_47$ cd TY_B_47/  
db-lab-11@db-lab-11-HP-285-Pro-G8-Microtower-PC:~/TY_B_47$ javac Demo.java  
db-lab-11@db-lab-11-HP-285-Pro-G8-Microtower-PC:~/TY_B_47$ java Demo  
2      3      5      7      11     13     17     19     23     29     31     37     41     43     47     53  
59     61     67     71     73     79     83     89     97  
There are total 25 prime numbers...  
  
db-lab-11@db-lab-11-HP-285-Pro-G8-Microtower-PC:~/TY_B_47$
```

B) write a java program to print fibonacci series from 1 to 15

```
class fiboo
{
    public static void main(String args[])
    {
        int first=0;
        int second=1;
        int next=0;
        System.out.print(first+"\t"+second+"\t");
        for(int i=0;i<13;i++)
        {
            next=first+second;
            System.out.print(next+"\t");
            first=second;
            second=next;
        }
        System.out.print("\n\n");
    }
}
```

output:



```
db-lab-11@db-lab-11-HP-285-Pro-G8-Microtower-PC: ~/TY_B_47
db-lab-11@db-lab-11-HP-285-Pro-G8-Microtower-PC:~/TY_B_47$ javac fiboo.java
db-lab-11@db-lab-11-HP-285-Pro-G8-Microtower-PC:~/TY_B_47$ java fiboo
0      1      1      2      3      5      8      13     21     34     55     89     144    233    377
db-lab-11@db-lab-11-HP-285-Pro-G8-Microtower-PC:~/TY_B_47$
```