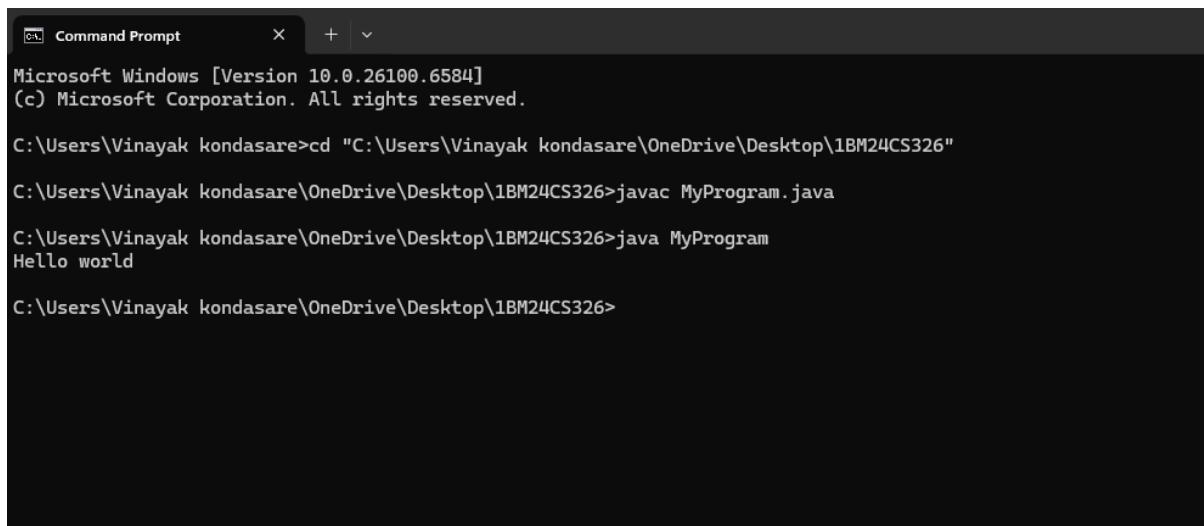


1.First Program

Source code

```
class MyProgram {  
    public static void main(string[] args){  
  
        System.out.println("Hello world");  
    }  
}
```

Output



The screenshot shows a Windows Command Prompt window titled "Command Prompt". The window displays the following command-line session:

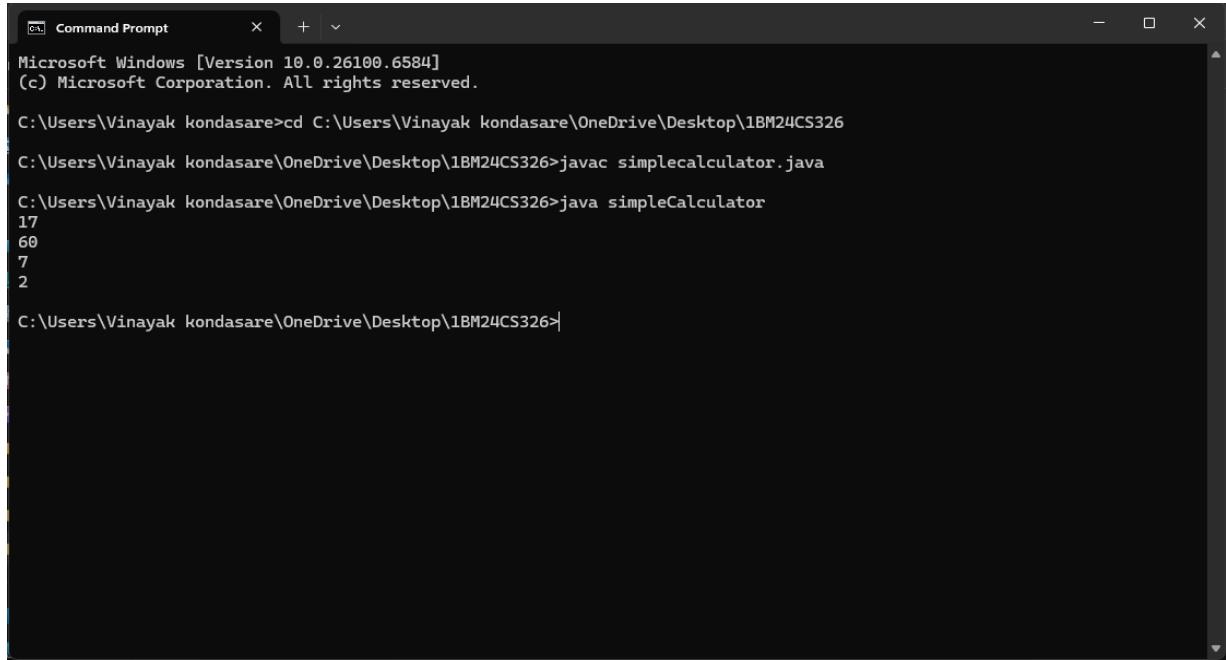
```
C:\ Command Prompt  
Microsoft Windows [Version 10.0.26100.6584]  
(c) Microsoft Corporation. All rights reserved.  
C:\Users\Vinayak kondasare>cd "C:\Users\Vinayak kondasare\OneDrive\Desktop\1BM24CS326"  
C:\Users\Vinayak kondasare\OneDrive\Desktop\1BM24CS326>javac MyProgram.java  
C:\Users\Vinayak kondasare\OneDrive\Desktop\1BM24CS326>java MyProgram  
Hello world  
C:\Users\Vinayak kondasare\OneDrive\Desktop\1BM24CS326>
```

2.Simple Calculator

Source code

```
class simpleCalculator {  
  
    public static void main(String[] args)  
    {  
        int a = 12;  
        int b = 5;  
        int sum = a + b;  
        int multi = a * b;  
        int sub = a - b;  
        int div = a / b;  
        System.out.println(sum);  
        System.out.println(multi);  
        System.out.println(sub);  
        System.out.println(div);  
    }  
}
```

Output



```
Command Prompt
Microsoft Windows [Version 10.0.26100.6584]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Vinayak kondasare>cd C:\Users\Vinayak kondasare\OneDrive\Desktop\1BM24CS326
C:\Users\Vinayak kondasare\OneDrive\Desktop\1BM24CS326>javac simplecalculator.java
C:\Users\Vinayak kondasare\OneDrive\Desktop\1BM24CS326>java simpleCalculator
17
60
7
2

C:\Users\Vinayak kondasare\OneDrive\Desktop\1BM24CS326>
```

3.Fibonacci series

Source code

```
class Fibonacci {
```

```
    public static void main(String[] args)
```

```
{
```

```
    System.out.println("First 10 elements of Fibonacci series");
```

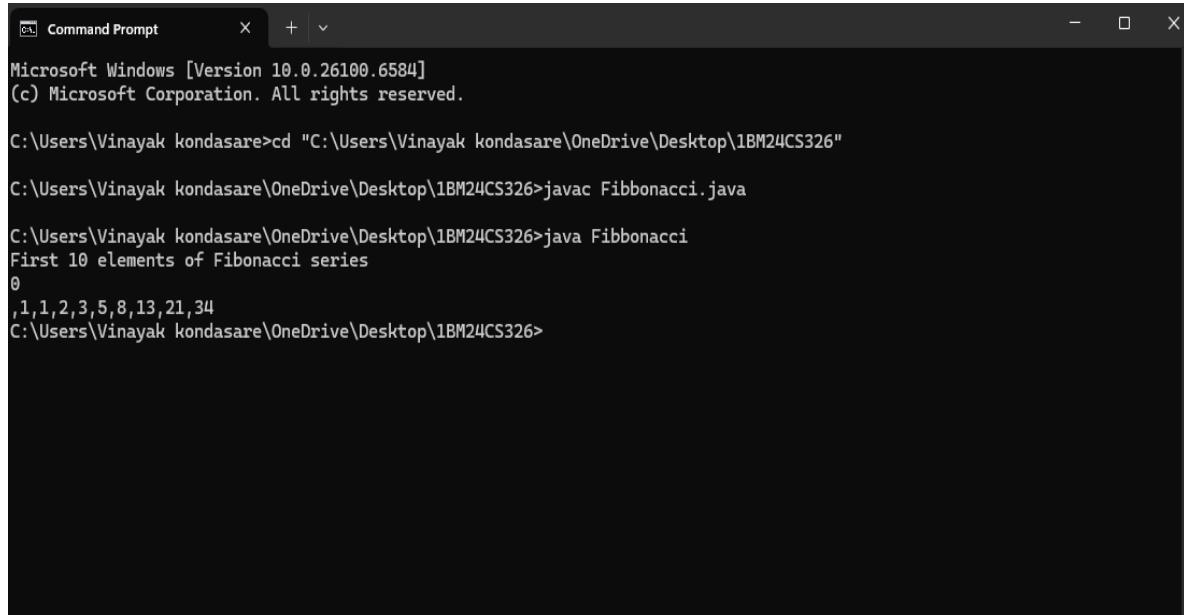
```
    int n1 = 0, n2 = 1, temp;
```

```
    System.out.println("0");
```

```
    for(int i = 0; i < 9; i++){
```

```
n1 = n1 + n2;  
temp = n2;  
n2 = n1;  
  
n1 = temp;  
System.out.print(", "+ n1);  
}  
}  
}
```

Output



The screenshot shows a Microsoft Windows Command Prompt window. The title bar says "Command Prompt". The window content is as follows:

```
Microsoft Windows [Version 10.0.26100.6584]
(c) Microsoft Corporation. All rights reserved.

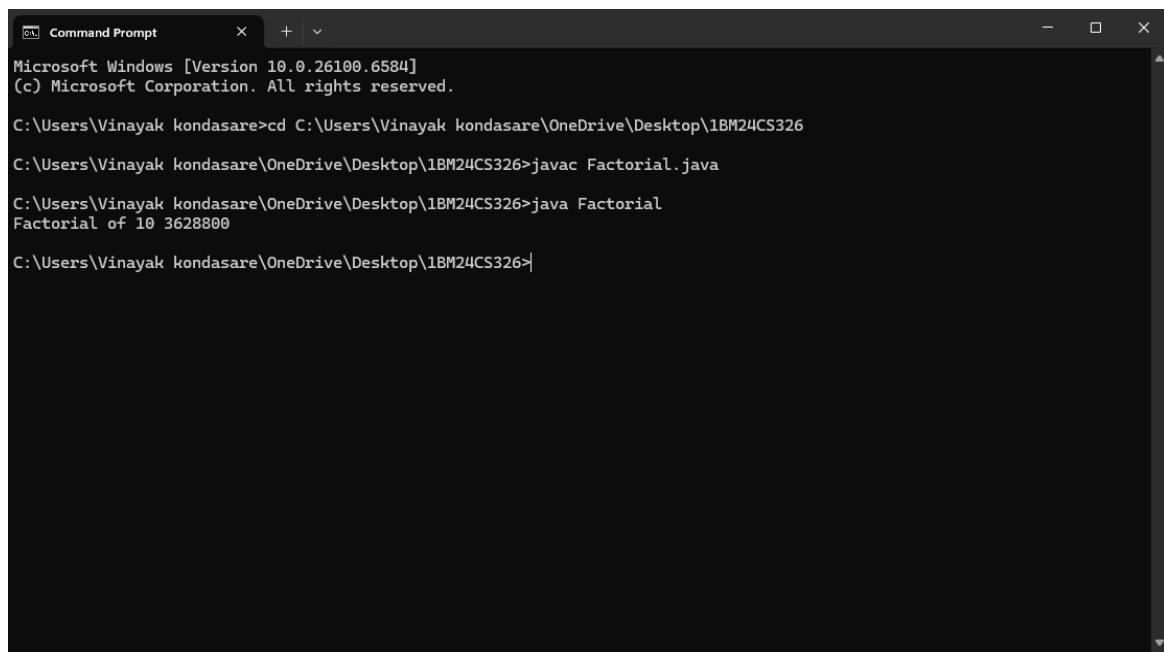
C:\Users\Vinayak kondasare>cd "C:\Users\Vinayak kondasare\OneDrive\Desktop\1BM24CS326"
C:\Users\Vinayak kondasare\OneDrive\Desktop\1BM24CS326>javac Fibonacci.java

C:\Users\Vinayak kondasare\OneDrive\Desktop\1BM24CS326>java Fibonacci
First 10 elements of Fibonacci series
0
,1,1,2,3,5,8,13,21,34
C:\Users\Vinayak kondasare\OneDrive\Desktop\1BM24CS326>
```

4.Factorial

Source code

```
class Factorial {  
    public static void main (String[] args)  
    {  
        int num = 10;  
        int factorial = 1;  
        for(int i = 1; i <= num; i++)  
        {  
            factorial = factorial*i;  
        }  
        System.out.println("Factorial of 10 "+ factorial );  
    }  
}
```



```
Microsoft Windows [Version 10.0.26100.6584]  
(c) Microsoft Corporation. All rights reserved.  
C:\Users\Vinayak kondasare>cd C:\Users\Vinayak kondasare\OneDrive\Desktop\1BM24CS326  
C:\Users\Vinayak kondasare\OneDrive\Desktop\1BM24CS326>javac Factorial.java  
C:\Users\Vinayak kondasare\OneDrive\Desktop\1BM24CS326>java Factorial  
Factorial of 10 3628800  
C:\Users\Vinayak kondasare\OneDrive\Desktop\1BM24CS326>
```

5.Multiplication table

Source code

```
class Table {  
    public static void main(String[] args)  
    {  
        System.out.println("Multiplication table of 3 ");  
        for(int i=1; i<10; i++){  
            System.out.println("3*" + i + "=" + (3*i));  
        }  
        System.out.println("Multiplication table of 5 ");  
        for(int i=1; i<10; i++){  
            System.out.println("5*" + i + "=" + (5*i));  
        }  
    }  
}
```

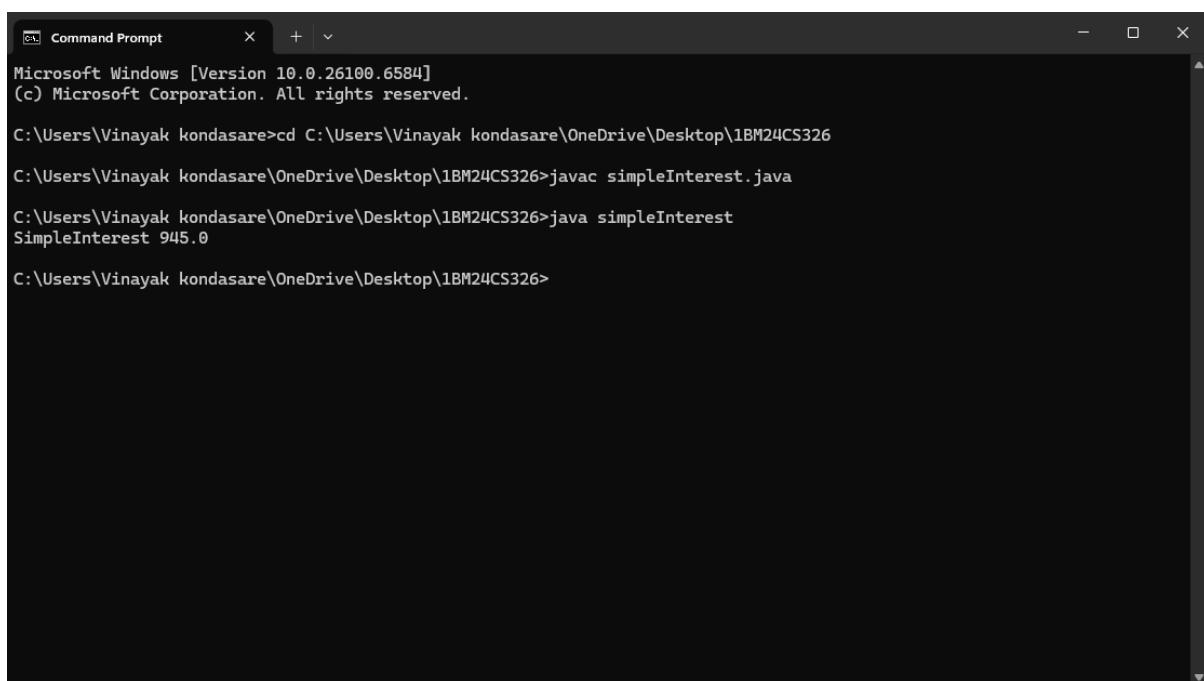
The screenshot shows a Windows Command Prompt window titled "Command Prompt". The user has navigated to their desktop directory and run the command "javac Table.java". After compilation, they run "java Table", which outputs two multiplication tables. The first table for 3 prints values from 3*1=3 to 3*9=27. The second table for 5 prints values from 5*1=5 to 5*9=45.

```
C:\Users\Vinayak kondasare>cd  
C:\Users\Vinayak kondasare>cd C:\Users\Vinayak kondasare\OneDrive\Desktop\IBM24CS326  
C:\Users\Vinayak kondasare\OneDrive\Desktop\IBM24CS326>javac Table.java  
C:\Users\Vinayak kondasare\OneDrive\Desktop\IBM24CS326>java Table  
Multiplication table of 3  
3*1=3  
3*2=6  
3*3=9  
3*4=12  
3*5=15  
3*6=18  
3*7=21  
3*8=24  
3*9=27  
Multiplication table of 5  
5*1=5  
5*2=10  
5*3=15  
5*4=20  
5*5=25  
5*6=30  
5*7=35  
5*8=40  
5*9=45
```

6.Simple Interest

Source code

```
class simpleInterest {  
  
    public static void main(String[] args)  
    {  
  
        int p = 7000, t = 3;  
        float r = 4.5f;  
  
        System.out.println("SimpleInterest " + (p * t * r / 100));  
    }  
}
```



The screenshot shows a Microsoft Windows Command Prompt window titled 'Command Prompt'. The window displays the following command-line session:

```
Microsoft Windows [Version 10.0.26100.6584]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Vinayak kondasare>cd C:\Users\Vinayak kondasare\OneDrive\Desktop\1BM24CS326
C:\Users\Vinayak kondasare\OneDrive\Desktop\1BM24CS326>javac simpleInterest.java
C:\Users\Vinayak kondasare\OneDrive\Desktop\1BM24CS326>java simpleInterest
SimpleInterest 945.0

C:\Users\Vinayak kondasare\OneDrive\Desktop\1BM24CS326>
```