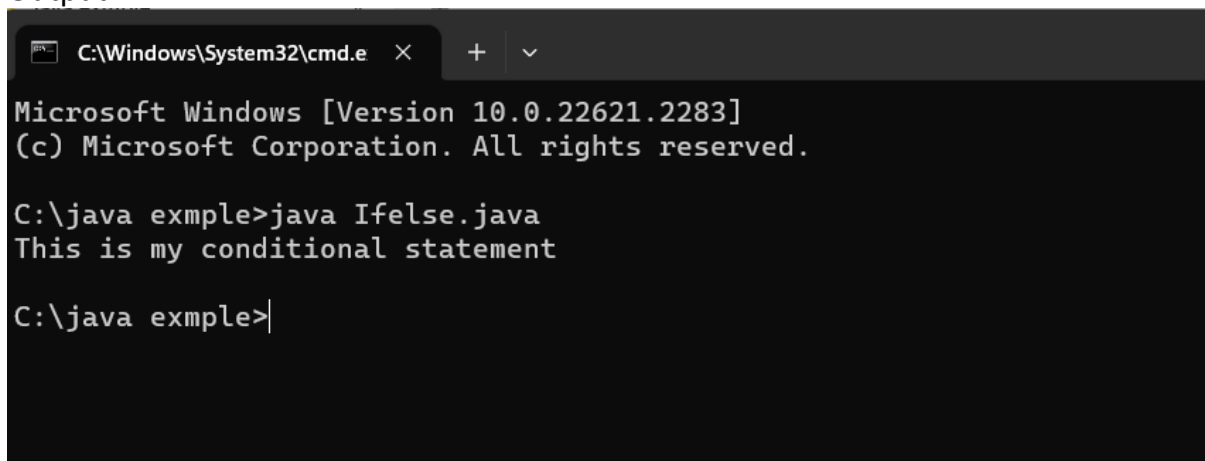


Experiment 1: Implement a program using Basic programming constructs like branching and looping

```
class Ifelse
{
public static void main(String args[])
{
int a=10 , b=20;
{
if(a==b || a<=10)
{
System.out.println("This is my conditional statement");
}
else
{
System.out.println("Invalid contidion");}
}
}
}
```

Output:

A screenshot of a Windows Command Prompt window. The title bar shows 'C:\Windows\System32\cmd.e' with a close button and window controls. The window content displays the following text: 'Microsoft Windows [Version 10.0.22621.2283] (c) Microsoft Corporation. All rights reserved. C:\java exmple>java Ifelse.java This is my conditional statement C:\java exmple>'. The text is in a monospaced font on a black background.

//Looping

```
public class MultiplicationTable {
    public static void main(String[] args) {
        int multiplier = 10;

        System.out.println("Multiplication Table of " + multiplier + ":");
        for (int i = 1; i <= 10; i++) {
            int result = multiplier * i;
            System.out.println(multiplier + " * " + i + " = " + result);
        }
    }
}
```

Output:

```
C:\java exmple>java MultiplicationTable.java
```

```
Multiplication Table of 10:
```

```
10 * 1 = 10
```

```
10 * 2 = 20
```

```
10 * 3 = 30
```

```
10 * 4 = 40
```

```
10 * 5 = 50
```

```
10 * 6 = 60
```

```
10 * 7 = 70
```

```
10 * 8 = 80
```

```
10 * 9 = 90
```

```
10 * 10 = 100
```

```
C:\java exmple>
```