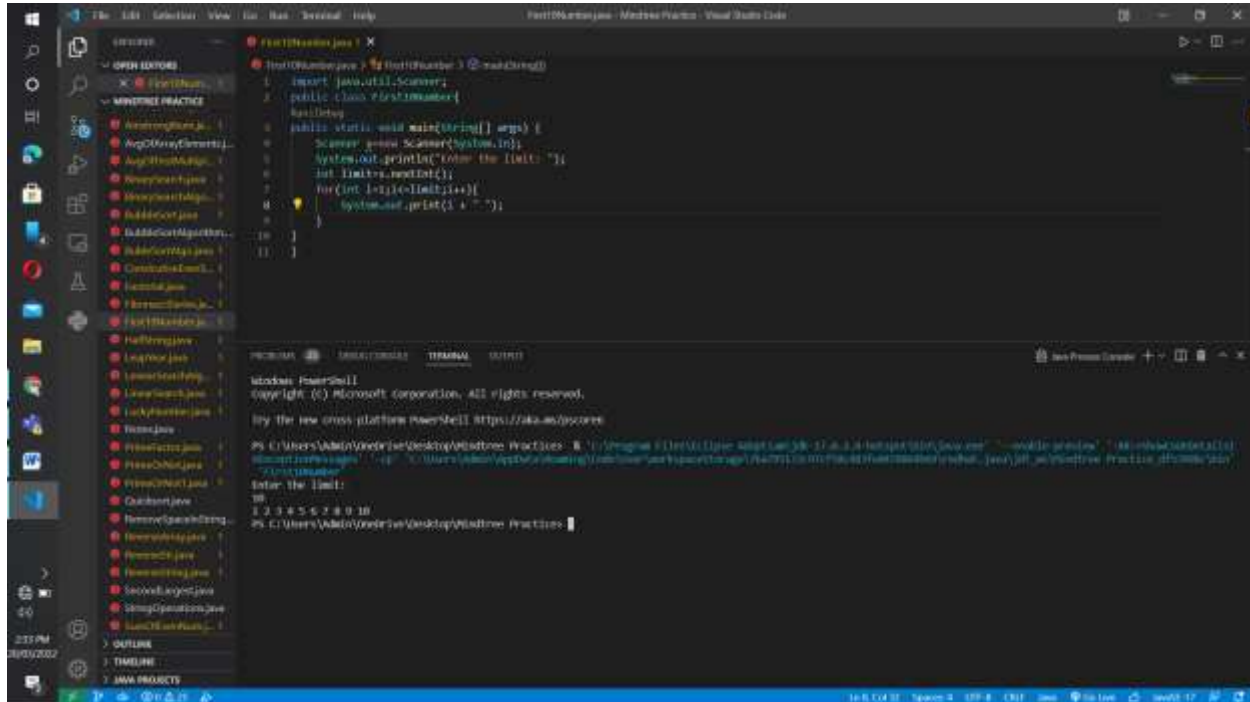


Assignment No. 3

1) Program to write the first 10 numbers.



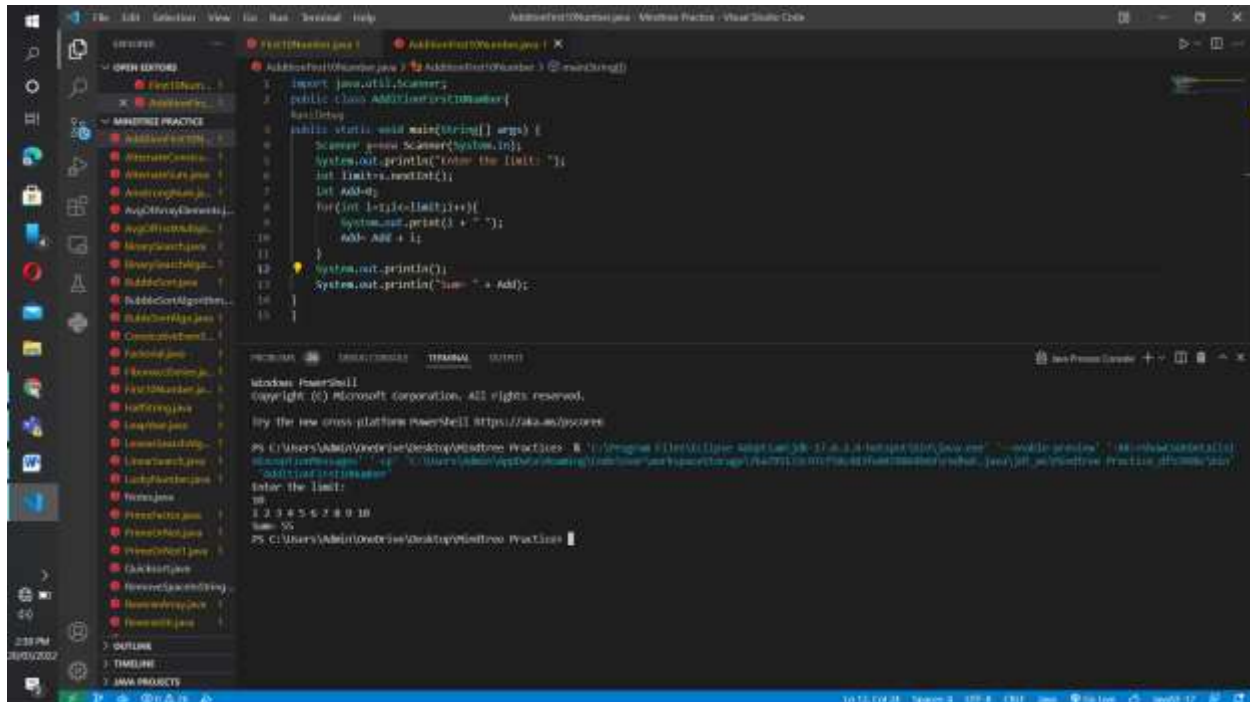
The screenshot shows the Visual Studio Code editor with a Java file named `First10Number.java`. The code is as follows:

```
1 import java.util.Scanner;
2 public class First10Number {
3     public static void main(String[] args) {
4         Scanner scanner = new Scanner(System.in);
5         System.out.println("Enter the limit: ");
6         int limit = scanner.nextInt();
7         for (int i = 1; i <= limit; i++) {
8             System.out.print(i + " ");
9         }
10    }
11 }
```

The terminal output shows the program execution:

```
Enter the limit:
10
1 2 3 4 5 6 7 8 9 10
```

2) Program to calculate the sum of first 10 numbers.



The screenshot shows the Visual Studio Code editor with a Java file named `AdditionOf10Numbers.java`. The code is as follows:

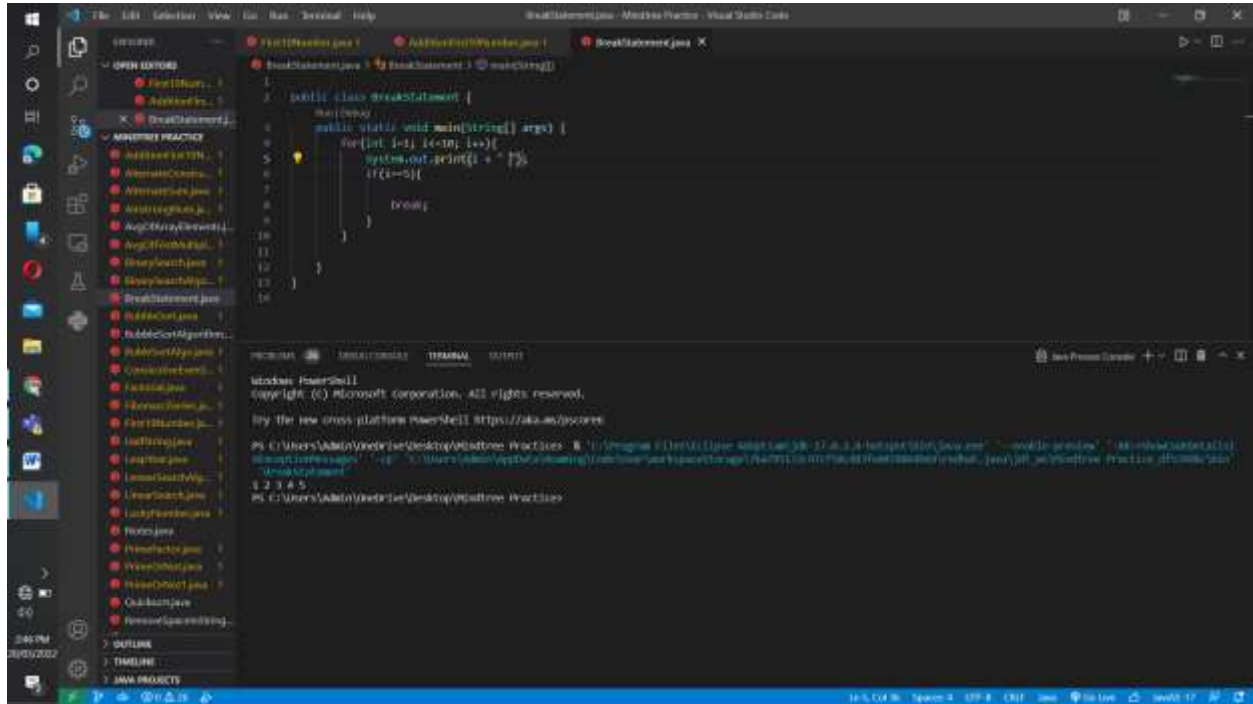
```
1 import java.util.Scanner;
2 public class AdditionOf10Numbers {
3     public static void main(String[] args) {
4         Scanner scanner = new Scanner(System.in);
5         System.out.println("Enter the limit: ");
6         int limit = scanner.nextInt();
7         int Add = 0;
8         for (int i = 1; i <= limit; i++) {
9             System.out.print(i + " ");
10            Add = Add + i;
11        }
12        System.out.println();
13        System.out.println("Sum = " + Add);
14    }
15 }
```

The terminal output shows the program execution:

```
Enter the limit:
10
1 2 3 4 5 6 7 8 9 10
Sum = 55
```

Assignment No. 3

3) Make the loop stop when i is 5.



The screenshot shows the Visual Studio Code editor with a Java file named `BreakStatement.java`. The code is as follows:

```
1 // BreakStatement.java
2
3 public class BreakStatement {
4     public static void main(String[] args) {
5         for (int i = 1; i <= 10; i++) {
6             System.out.println(i + " ");
7             if (i == 5) {
8                 break;
9             }
10        }
11    }
12 }
13
14
```

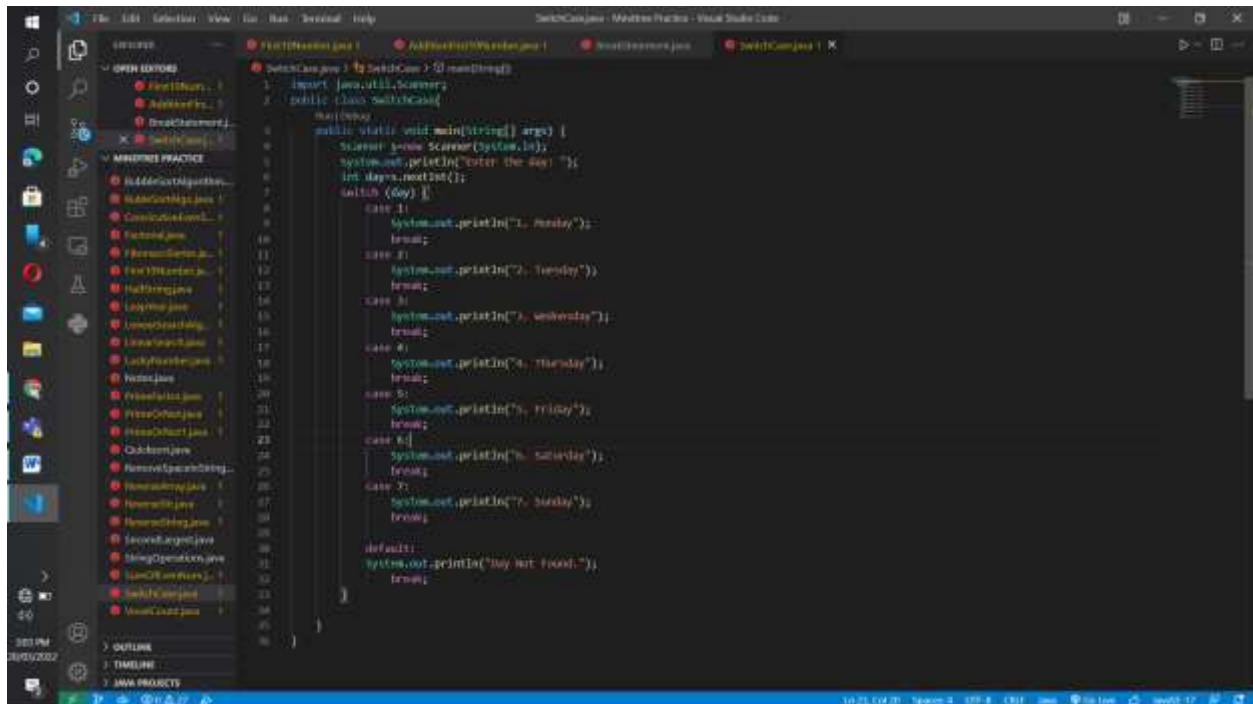
The output in the terminal window is:

```
Windows PowerShell
Copyright (c) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/powershell

PS C:\Users\Sakshi\OneDrive\Desktop\Patterns\Practices> javac BreakStatement.java
PS C:\Users\Sakshi\OneDrive\Desktop\Patterns\Practices> java BreakStatement
1 2 3 4 5
```

4) Write a program to print day of week name using switch case.



The screenshot shows the Visual Studio Code editor with a Java file named `SwitchCase.java`. The code is as follows:

```
1 // SwitchCase.java
2
3 import java.util.Scanner;
4
5 public class SwitchCase {
6     public static void main(String[] args) {
7         Scanner s = new Scanner(System.in);
8         System.out.println("Enter the day: ");
9         int day = s.nextInt();
10        switch (day) {
11            case 1:
12                System.out.println("1. Monday");
13                break;
14            case 2:
15                System.out.println("2. Tuesday");
16                break;
17            case 3:
18                System.out.println("3. Wednesday");
19                break;
20            case 4:
21                System.out.println("4. Thursday");
22                break;
23            case 5:
24                System.out.println("5. Friday");
25                break;
26            case 6:
27                System.out.println("6. Saturday");
28                break;
29            case 7:
30                System.out.println("7. Sunday");
31                break;
32            default:
33                System.out.println("Day not found.");
34                break;
35        }
36    }
37 }
38
```

Output:

Assignment No. 3

```

PS C:\Users\Adelin\OneDrive\Desktop\Windows Practices > cd ..
try the new cross platform PowerShell https://aka.ms/powershell
PS C:\Users\Adelin\OneDrive\Desktop\Windows Practices > & "C:\Program Files\Windows Updates\22H2\22H2Setup\22H2Setup.exe" --enable-preview --log-level:debug --log-path:C:\Users\Adelin\AppData\Local\Temp\22H2Setup\22H2Setup.log --log-level:debug --log-path:C:\Users\Adelin\AppData\Local\Temp\22H2Setup\22H2Setup.log --log-level:debug --log-path:C:\Users\Adelin\AppData\Local\Temp\22H2Setup\22H2Setup.log
Enter the day:
2
2. Tuesday
PS C:\Users\Adelin\OneDrive\Desktop\Windows Practices >

```

5) Write a program print total number of days in a month using switch case.

The screenshot shows the Visual Studio Code IDE with a Java project named 'NoOfDayOfMonth.java'. The editor displays the following code:

```

1  import java.util.Scanner;
2  public class NoOfDayOfMonth {
3
4      public static void main(String[] args) {
5          Scanner sc = new Scanner(System.in);
6          System.out.println("Enter the day: ");
7          String day = sc.nextLine();
8          switch (day) {
9              case "Jan":
10                 case "March":
11                 case "May":
12                 case "July":
13                 case "Aug":
14                 case "Oct":
15                 case "Dec":
16                     System.out.println("It Days");
17                     break;
18
19                 case "Apr":
20                 case "Jun":
21                 case "Sep":
22                 case "Nov":
23                     System.out.println("30 Days");
24                     break;
25
26                 case "Feb":
27                     System.out.println("Either 28 or 29 Days");
28                     break;
29
30             default:
31                 System.out.println("Invalid month.");
32                 break;
33         }
34     }
35 }

```

The file explorer on the left shows the project structure, and the bottom status bar indicates the file is saved.

Output:

[illegible]