Lab 8

While Loop

Name-Surname…………………………….....Student No.......................................Section (LAB)……………

Lab instruction

1. Open VS code or JAVA IDE in your computer.

2. Create a new java class name WhileLoopExample.java, then write the following code.

```
class WhileLoopExample {

    public static void main(String args[]){
        int i=10;
        while(i>1){
            System.out.println(i);
            i--;
        }
    }
}
```

3. Compile and run the program.

4. Modify the program to display the output same as the picture.


```
1 2 3 4 5 6 7 8 9 10
11 12 13 14 15 16 17 18 19 20
21 22 23 24 25 26 27 28 29 30
31 32 33 34 35 36 37 38 39 40
41 42 43 44 45 46 47 48 49 50
51 52 53 54 55 56 57 58 59 60
61 62 63 64 65 66 67 68 69 70
71 72 73 74 75 76 77 78 79 80
81 82 83 84 85 86 87 88 89 90
91 92 93 94 95 96 97 98 99 100
```

Hint. You can use if-else statement.

*********************************CHECK POINT #1**************************************

5. (Conversion form inches to centimeter) Write the program by using while-do statement that display the following table (note that 1 inch is 2.54 centimeters):

Inches	Centimeters
1	2.54
3	7.26
5	12.7
.	.
.	.
.	.
197	500.38
199	505.46

*********************************CHECK POINT #2**************************************

6. (Finding number division by 5 or 7 but not both) Write a program that displays all number from user input, ten number per line, which are division by 5 or 7 but not both.

```
Enter number: 50

5 7 10 14 15 20 21 25 28 30
40 42 45 49 50

End of number.
```

*********************************CHECK POINT #3**************************************

7. Modify GuessNumber.java to let's user end the game by enter -1 and display the answer on screen.

https://liveexample.pearsoncmg.com/html/GuessNumber.html

*********************************CHECK POINT #4**************************************
---End of Lab---