COME103 / CENG111 Computer Programming I
Lab - 4

25 October 2021

PROGRAMS

1. (*Conversion from miles to kilometers*) Write a program that displays the following table (note that 1 mile is 1.609 kilometers): The program output should look exactly as shown in the figure where the kilometer values should be printed with 3 precisions.

```
Miles       Kilometers

1           1.609
2           3.218
...
9           15.481
10          16.090
```

2. Write a program that calculates *the sum of the squares of the odd numbers* from 1 to a desired positive integer number.
   The terminal output of the program should look as below when entered number is 6.

```
Enter the number: 6
Sum of the squares of the odd numbers from 1 to 6 is 35.
```

3. Write a program that takes two integer numbers from the keyboard. Then the program prints all of the integers from larger one to the smaller one inclusively in decreasing order. Example terminal output should look as below once it is executed and entered 12 and 16.

```
Enter the first number: 12
Enter the second number: 16
16
15
14
13
12
```

   Hint: Here first you must determine the small and the large numbers then set up a while or for repetition starting from the larger one to smaller with a step of -1 (counter will be decreasing).