Week 8: CONTROL STRUCTURE IN PYTHON – REPETITION STATEMENT

1. Write a program that able to print the even number that in the between of 2 to 50.

   Output sample:

2	4	6	8
10	12	14	16
18	20	22	24
26	28	30	32
34	36	38	40
42	44	46	48

2. Write a Python program to display numbers from 1 to 20. **Note:** use all types of repetitive structures

3. Write a Python program to prompt user to choose their favourite TV channel. Use list to store the TV channels. Display the TV channel to the screen when they make the selection. Whenever the TV channel entered is not in the list, prompt user either wants to save the new channel or not. For the condition in which user wants to save the new channel, it will be displayed together with the existing channels. If the channel already exist, prompt user either to continue with the TV channel system or not.

   Sample input-output.
   Welcome to my TV Channel
             TV1
             TV2
             TV3
             TV4

4. Use a proper iterative structure to write a program that will read **names** and **exam scores** of 10 students. Store all names and scores in the lists. Display student's name, scores and the class **average** is to be calculated and printed at the end of the report. Score can **range from 0 to 100**. Score out of the range is not to be included in the calculations.

5. Write a Python program to construct the following pattern, using a nested for loop.

   ```
   *
   *  *
   *  *  *
   *  *  *  *
   *  *  *  *  *
   ```