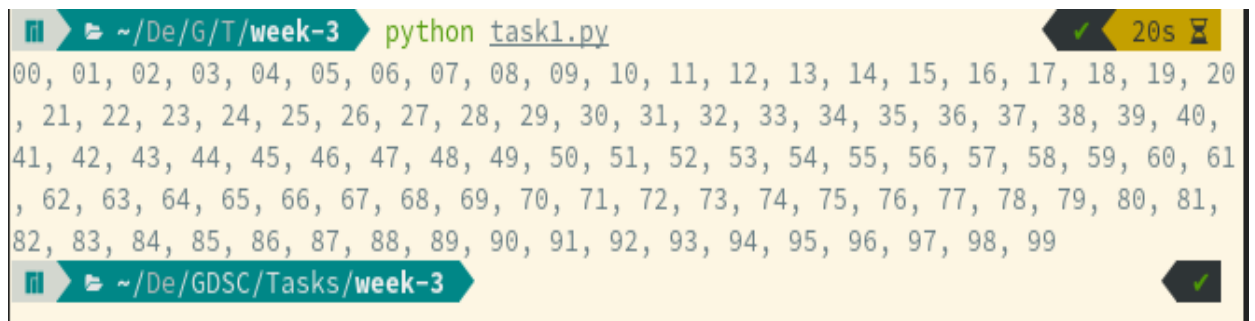# Django Week 3
Tasks

It is very important that you complete these tasks by yourself. While you can use linked resources, for a better learning experience, we strongly advise you to refrain from relying on ChatGPT or any AI products. It is the struggle that teaches us more.

1. Write a program that prints numbers from `0` to `99`.
   - Numbers must be separated by `,`, followed by a space
   - Numbers should be printed in ascending order, with two digits
   - The last number should be followed by a new line
   - You can only use no more than 2 `print` functions with string format
   - You can only use one loop in your code
   - You are not allowed to store numbers or strings in a variable
   - You are not allowed to import any module

Example :

```
 ~/De/G/T/week-3   python task1.py                                    ✓  20s ⌛
00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 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
 ~/De/GDSC/Tasks/week-3                                                        ✓
```

2. Write a program that prints the following pattern.
   - The program should accept the input for character
   - The pattern consists of a series of lines
   - The characters in each line should follow a specific pattern based on the line number.
   - Use conditional statements to determine the pattern for each line.
   - Use a loop to iterate through the lines and print the characters accordingly.
   - You are not allowed to use functions in your code.
   - Do not store the pattern or any intermediate results in variables.

Example:

```
⊞ ≥ ⤸ ~/De/G/T/week-3   python task2.py                    ✓ 7s ⌛
Please enter the pattern to be printed: b
b
bbb
bbbbb
bbbbbbb
bbbbbbbbb
⊞ ≥ ⤸ ~/De/G/T/week-3   python task2.py                    ✓ 7s ⌛
Please enter the pattern to be printed: a
Vowels are not allowed in the input
⊞ ≥ ⤸ ~/De/GDSC/Tasks/week-3   python task2.py                  ✓
Please enter the pattern to be printed: bb
The length of the character should be 1
⊞ ≥ ⤸ ~/De/G/T/week-3   ▌                                  ✓ 4s ⌛
```

3. Develop a program that checks if a user-inputted word is a palindrome. A palindrome is a word that reads the same backward as forward (e.g., "radar").

```
 ~/De/G/T/week-3  python task3.py                    ✓  14s ⧗
Please enter the word to check: radar
The word radar is a palindrome.
 ~/De/GDSC/Tasks/week-3  python task3.py             ✓
Please enter the word to check: django
The word django is not a palindrome,
because ognajd is not equal to django.
 ~/De/G/T/week-3                                      ✓  6s ⧗
```

4. Write a Python program to find and print the sum of all the even numbers from 1 to 50 (inclusive). Additionally, for each even number, if it is a multiple of 3, print "Three" instead of the number; if it is a multiple of 5, print "Five" instead of the number. Finally, print the total sum and the count of numbers replaced with "Three" or "Five."