Problem Statement

1. Write a Python program to find those numbers which are divisible by 7 and multiple of 5, between 1500 and 2700 (both included)

2. Write a Python program to convert temperatures to and from celsius, fahrenheit.
3. Write a Python program to construct the following pattern, using a nested for loop.

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

4. Write a Python program to get the Fibonacci series between 0 to 50

5. Write a Python program to check the validity of password input by users. Validation :

- At least 1 letter between [a-z] and 1 letter between [A-Z].
- At least 1 number between [0-9].
- At least 1 character from [$#@].
- Minimum length 6 characters.
- Maximum length 16 characters.

6.Write a Python program to print alphabet pattern 'A'.

Expected Output:

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

7. Write a Python program to print alphabet pattern 'D'.

Expected Output:

8. Write a Python program to print alphabet pattern 'E'.

Expected Output:

9. Write a Python program to print alphabet pattern 'G'.

Expected Output:

10. Write a Python program to print alphabet pattern 'L'.

Expected Output:

11. Write a Python program to print alphabet pattern 'M'.

12. Write a Python program to calculate a dog's age in dog's years.
Note: For the first two years, a dog year is equal to 10.5 human years. After that, each dog year equals 4 human years.

Input a dog's age in human years: 15
The dog's age in dog's years is 73
Click me to see the sample solution

13. Write a Python program to check whether an alphabet is a vowel or consonant.
Expected Output:

Input a letter of the alphabet:
k is a consonant.