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Class Summary

This project is based on your
last class PRO-C99

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Goal of the Project:

In Class 99, you learned to make star and number patterns using nested for loops in Python. In this project, you will use similar concepts to print your name in-between the stars using a nested for loop.

Story:

Your friend Jayshree is upset due to the Pandemic. You want to cheer her up by displaying her name inside a star pattern.

You can help Vihaan code using Python.

```
Enter your name : JAYSHREE
J * * * * *
* A * * * * *
* * Y * * * *
* * * S * * *
* * * * H * *
* * * * * R *
* * * * * E *
* * * * * E
```

***This is just for your reference. We expect you to apply your own creativity to the project.**

Getting Started:

- Log in with your Google account into [Google Colab](#)
- Click on the **+code** cell to write the function.

Specific Tasks to complete the Project:

- Create a variable **name** to save the result of the **input()** method to ask for the user's name.
- Python stores a name as a **list** data type and considers each alphabet/letter in a name as one element.

For example, if you create a variable name= "Jayshree"

name[0] can be used to access the first alphabet of the name

```
name = "Jayshree"
name[0]

'J'
```

- Each letter needs to be displayed in separate rows; use **len()** on the name to find the number of characters in the name.
- Save the number of characters in a variable, call it **iteration**.

```
iteration = len(name)
```



Ask a doubt to your
teacher



HELP



- 5. Using a nested **for-in** loop that traverses through **0** to **iteration**. (See Hint 1)
- 6. In the inner loop, check if both iterations match
 - If true, print the alphabet from the **list** for a name.
 - Else print a *****.
- 7. Give an empty **print()** to enter the next row and the outer loop



- 8. Give space in each print as a separator and at the end of each row.

```
print(name[j],sep=" ",end=" ")
```



- 9. Run the code.

Submitting the Project:



- 1. **SAVE** all the changes made to the project.
- 2. Click on **"Run"** once to check if it is working.
- 3. Click the **"SHARE"** button to generate a shareable link. (See Hint 3)
- 4. Copy this link and submit it in the Student Dashboard Projects panel against the correct class number.



Hints:



- 1. Use a nested loop to traverse through the iteration twice.
 - The outer loop will generate a row.
 - The inner loop will generate a column.

```
for i in range(0,iteration):  
    for j in range(0,iteration):
```



- 2. On the right-hand corner of the Google Colab, you will find a share button. Click on **Share**.

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