

Assignment 1 – Instructions

Python problems

Practical 1.1

The image shows the expected output of a Python script. Ask the user to supply their name and surname and use the supplied values in the output. The output of your program should be exactly the same as the example output, character for character.

Use Python programming to display the output by using the * character in each instance. All headings, as seen in the example output, should also be presented.

Submit your Python file(*.py) here on eFundi, under this assignment, and make sure you attach and submit your file successfully.

Tips

- Use the **input()** function to read input from the user.
- Make use of the **print()** function to supply output to the user;
- All text (string values) must be in quotation marks;
- Save file as **StudentNumber_Prak1-1.py**

Output

```
Enter your name: Jane
Enter your surname: Smith

This program was written by: Jane Smith

Square

* * * * *
* * * * *
* * * * *
* * * * *
* * * * *

Diamond

      *
     ***
    *****
   *********
  ***********
 ****
 ***
  **
 *

Heart

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

Practical 1.2

The image shows the expected output of a Python script. Use Python programming to display the output. Ask the user for a character and use the supplied character in the programming of the triangle. The heading, as seen in the example output, should also be presented. Submit your second Python file(*.py) also here on eFundi.

Submit your Python file(*.py) here on eFundi, under this assignment, and make sure you attach and submit your file successfully.

Tips

- Save file as ***StudentNumber_Prak1-2.py***

Output

```
Please enter a symbol: $

Triangle

$
$ $
$ $ $
$ $ $ $
$ $ $ $ $
```

Rubric

	Item	Mark allocation	
1.1	Accept user input and display output		/2
	Use print function, draw square, diamond and heart according to example output		/2
1.2	Obtain character (Using input function) and assign to variable		/2
	Print triangle (According to Example Output)		/2
Comments included in programs			/1
File name according to the specification			/1
TOTAL			/10