Python: The Easy Way

Lab1

Python Installation

Windows

1 Download the convenient Python version from the official website:

```
Website: https://www.python.org/downloads/
```

2 Run the executable file downloaded and follow the instructions

3 Add Python to Path (Environment) Variables to be global command:

```
You will find The steps screenshots here:
http://www.howtogeek.com/197947/how-to-install-python-on-windows/
```

Linux or OS X

In most of Linux distributions, you will find python installed

```
python                              #for python 2

python3                             #for python 3
```

On Mac OS X

```
brew install python                          #for python 2

brew install python3                         #for python 3
```

Lab 1 Assignments

Vowels Removal

Write a program that remove all vowels from the input word and generate a brief version of it.

Input

String

"mobile"

Output

String

"mbl"

Bonus: You can make a function like replace Fn. but takes list of strings instead of one string.

Calculate Area

Write a function that calculate the area of these shapes:

triangle = (0.5 * base * height), rectangle = (width * height), Circle= (PI * radius ^ 2)

Input

Triangle	strin g "t"	numbe r 10	numbe r 7
Rectangle	strin g "r"	numbe r 10	numbe r 7
Square		numbe r 10	
Circle	strin g "r"	number 10	

strin g

Mario Pyramid

Write a program that build a Mario pyramid like below:

Input	
	number
	4

Output	
	String
	*
	**
	***
	****

Thank You