

CS116 – Activity 1

Type the following definition in the program area of JES and then try it out a couple of times with different values as the parameter n :

```
def lineOfStars(n):  
    print "*" * n
```

If we want to create a square which is n lines with n stars on each line we could do so with the code:

```
def square(n):  
    for line in range(0,n):  
        lineOfStars(n)
```

Try out the `square` function. Now, write a function `def triangle(n):` which will print a triangle rather than a square.

```
>>> triangle(4)  
*  
**  
***  
****
```

The following code will change all the letters in a string to upper case:

```
def shout(string):  
    answer = ""  
    for letter in string:  
        answer = answer + letter.upper()  
    print answer
```

Try out the function `shout` and then write a new version of this function that uses a `range` and indices as discussed in section 3.2.3 of your text.