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Passing function to another function

```
def alpha(anotherFunc):
    anotherFun()


def f2()
    #logic

alpha(f2)
```

Lambda Function - Shorthand Notation

Syntax

lambda parameter1,parameter2,parameter3 : EXPRESSION

Lambda can have many arguments/parameters but only ONE Expression

Expression is evaluated and the value is returned to the caller

Expression ------

```
a + b
a* b/c
a+ b + c
print()
f1()
```

We can use **single line if expression** but NOT normal if else or loops

lambda a,b: True if a < b else False

what-will-be-result-if-true if condition else what-will-be-result-if-false

---

Return a function from a function ----------

HW

1

Create three lambda functions

caps = lambda function that accepts a string and gives the upper case string PRACHI

lows = lambda function that accepts a string and gives the lower case string prachi

title = lambda function that accepts a string and gives the title case string

Slice the first char , make it upper, slice the remaining string make it lower and concatenate

Prachi = Title case - first letter caps remaining

Accept a string from user

Menu

1 - show string in upper using **caps**

2 - show string in lower using **lows**
3 - show string in upper using **title**
4. quit

2 Write a function format(*names , formatFunc)
formatFunc could be printing the names one below another
printing the names in coma separated
printing the names with index 1.

call the format with different functions

3. create a dictionary for weekdays
Ask the user to enter a number between 1 and 7
And show the string of that DAY

4. create a dictionary for months
number
3lettermonths
fullname

accept a day month year from user
1. Dd-mmm-yyyy
2. Full Monthname , dd -yyyy
3. Dd/mm/yyyy
4. quit