Lab 5 / Functions:

Setup:

Create a new .py file. At the bottom of your program add:

```
if __name__ == "__main__":
    main()
```

Next, above the previous add:

```
def main():
      #add your logic here..
```

Invoke all functions from your main function. So your main may look something like:

```
def main():
      #add your logic here..
      f1()
      f2('data')
      s = 'some other data'
      f3(s)
```

Call (invoke) all functions from your main() function

0) Create a function that takes no parameters and prints "hello world".

1) Create a function that accepts a string parameter and appends to the incoming string 'good day' "

a) call the function & print the result in the function
b) return the result from the function, capture and print the result

Example

```
def foo(s):
     s = 'aloha ' + s
     return s

def main():
     rc = foo('mr. hand')
     print rc
```

2) Create a function which takes 1 string parameter. The function calculates the length of the string passed in and prints that value

a) Call/invoke the function with a string parameter

3) Create a function that takes an integer value, checks if it's even or odd & returns true or false

a) Call/invoke the function with an int parameter, print the value returned (true/false)

4) Create a function which accepts a string parameter, reverses the string & returns the reversed string value.

a) Call/invoke the function with a string parameter. Print the value returned.

5) Write a function and a helper function such that – the primary function takes a String parameter then calls another (helper) function as follows:

a. The 'helper' function takes the input string from the 'primary' function and concatenates (prepends) `'gday, mate'` to the beginning of that input and returns the updated string to the primary function.

b. The primary function captures the value returned by the helper function & appends (adds to the end) of that result string `'see, ya'`.

c. Call your primary function, return the results and print those returned results