Activity: Python Functions

ISAT 252 – Spring 2015

# Instructions:

* Write a program that computes the area of a circle. Prompt the user to enter the radius
* Debug and Test your program.
* Save the program as circle\_2.py
* Put it on the FTP site. Make sure you create a folder called Circle Activity 2 and put the entire folder with your code on the FTP site

Your program should be readable with proper comments. ALL of your programs should start with a comment section that explains the purpose of the program and gives your name and software language being used.

# circle\_2.py

* Modify your circle\_1.py program that you created earlier to use functions
  + The main() function will get the input(radius) and pass it to a function you create called compute\_area
  + The compute area function should do the processing as well as display the results. Note that you should create the variable *area* and the constant *PI*  ***as local variables*** in your function
* Your program should be readable with proper comments. ALL of your programs should start with a comment section that explains the purpose of the program and gives your name and software language being used.
* #Purpose of Program
* #Programmer: [Your Name]
* #Language: Python 3.4
* #circle\_2.py

def compute\_area(radius):

#variables and constants

#process – compute the area of the circle

#output -display the result