MSBA 605 – Programming for Analytics

IN-CLASS EXERCISE # 3

Names of team members: Diane Nguyen, Brian Merkle, Alec Risch, Michael Rayome

Logistics

A. Get into your regular team
B. Discuss and complete the assignment together. Don't just assign different problems to each teammate! That defeats the purpose of team-based learning.
C. Choose a recorder to prepare the final copy to submit to instructor in Blackboard. Only one person needs to submit on behalf of the team.

Due: Friday, September 7 by 11:59 PM

Problem 1

Write a Python code fragment to split the string "the quick brown fox" into a list of words named *wordList*. [You can copy and paste from Python prompt in Thonny, Spyder, etc. The point is to try it out.] (5 pts.)

```
x = "the quick brown fox"
x.split()
print(x.split())
```

Problem 2

Although Python provides us with many list methods, it is good practice and very instructive to think about how they are implemented. Implement a Python function that works like list's find function. Name your function *myFind*. It will accept two parameters, a list and an item. Remember, find returns the index where the item is first located (0, 1, 2, etc.) and returns -1 when the item is not found in the list at all. [You can copy and paste from Python prompt in Thonny, Spyder, etc. The point is to try it out.] (10 pts.)

```
mylist=["dog","cat","mouse","dude"]
myitem="dog"

def myfind(testlist,item):
    for position in range(len(testlist)):
        if item == testlist[position]:
            return position
    return -1


print(myfind(mylist,myitem))
```

Problem 3

Write a Python code fragment to create a dictionary named *scoreDict* using student name as key (a string) and student score as value (a number). Use the following names and scores to populate your dictionary.

names = ['joe','tom','barb','sue','sally']
scores = [95, 78, 99, 87, 82]

[You can copy and paste from Python prompt in Thonny, Spyder, etc. The point is to try it out.] (10 pts.)

```
scoreDict ={'joe':95,'tom':78,'barb':99,'sue':87,'sally':82}
```