**Quiz 1 Due: Midnight of 2/5 Wed. (total 10 points)**

1. **What is the output of following code**

[ (a,b) for a in range(3) for b in range(a) ]

[**A - [ (1,0),(2,1),(3,2)]**](javascript:void(0);)

[B - [ (0,0),(1,1),(2,2)]](javascript:void(0);)

[C - [(1,0),(2,1),(2,1)]](javascript:void(0);)

[D - [ (1,0),(2,0),(2,1)]](javascript:void(0);)

1. **In the following options which are python libraries which are used for data analysis and scientific computations**

[A - Numpy](javascript:void(0);)

[B - Scipy](javascript:void(0);)

[C - Pandas](javascript:void(0);)

[D - All the above](javascript:void(0);)

1. **Output of the given below code?**

class Demo:

def \_\_init\_\_(self,d):

self.d=d

def print(self):

print(self.d)

a = Demo('Hello')

a.print()

[A - You cannot use print(self) as a function name.](javascript:void(0);)

[B - Hello](javascript:void(0);)

[C - Syntax Error.](javascript:void(0);)

1. **Which among them will produce ['a', 'b', 'c']?**

[A - tuple(''abc'')](javascript:void(0);)

[B - list(''abc'')](javascript:void(0);)

[C - str(''abc'')](javascript:void(0);)

[D - None of the above.](javascript:void(0);)

1. **What is the output of the following code :**

|  |
| --- |
| L **=** ['a','b','c','d']  S = "".join(L)  Print(S)   1. ['a','b','c','d'] 2. abcd |

1. **What is the type of S defined in question 5 above?**
2. list
3. str
4. set
5. dict
6. **What is the output of the following program**

y = 8

z = lambda x : x \* y

print (z(6))

1. 48
2. 14
3. 36
4. None of the above.
5. **What will be the output of the following code?**

print(type(‘int’))

1. <class ‘type’>
2. <class ‘int’>
3. int
4. None of the above