JALEN JEUDY

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STAT 1129

HOMEWORK #2

**QUESTION #1**

In [1]:

n **=** 0

**while** n **<** 10:

print(n)

n**+=**1

**if** n **==** 5:

**break**

0

1

2

3

4

**QUESTION #2**

In [2]:

n **=** 0

**while** n **<** 5:

print(n)

n**+=**1

print(n, "is not less than", n)

0

1

2

3

4

5 is not less than 5

**QUESTION #3**

In [3]:

fruitlist **=** ["pears", "strawberries", "Apple", "raspberries"]

**for** i **in** fruitlist:

**if** i **==** "Apple":

**break**

print("I like", i)

print(i, "is really a fruit?")

I like pears

I like strawberries

Apple is really a fruit?

**QUESTION #4**

In [5]:

n **=** 30

sum **=** 0

i **=** 1

**while** i **<=** n:

sum **=** sum **+**i

i **=** i **+**1

print("The sum is", sum)

The sum is 465

**QUESTION #5**

In [6]:

Weather **=** {'sunny':'play','rainy':'watch TV','cloudy':'walk'}

**for** key, value **in** Weather.items():

print("When", key, "let us", value)

When sunny let us play

When rainy let us watch TV

When cloudy let us walk

In [7]:

Weather.update({'snowy':'ski'})

print(Weather)

{'sunny': 'play', 'rainy': 'watch TV', 'cloudy': 'walk', 'snowy': 'ski'}

**QUESTION #6**

In [8]:

**for** key, value **in** Weather.items():

**if** key **==** "sunny":

print("When", key, "let us", value)

**else**:

**if** key **==** "rainy":

print("when", key, "let us", value)

**if** key **==** "cloudy":

print("When", key, "let us", value)

When sunny let us play

when rainy let us watch TV

When cloudy let us walk

**QUESTION #7**

In [9]:

grade **=** 76

**if** grade **>=** 90:

print('Grade is A')

**elif** (grade **>=**80) **&** (grade **<** 90):

print('Grade is B')

**elif** (grade **>=**70) **&** (grade **<** 80):

print('Grade is C')

**elif** (grade **>=**60) **&** (grade **<** 70):

print('Grade is D')

**else**:

print('Grade is F')

Grade is C