COSC 1336 EXAM TWO WRITTEN PORTION

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Question 1_____ (6 points)
Write a function (getResults) that has a list parameter (myGrades). The function
will return the count of numbers in the list.

Below write your code

```
def getResults(myGrades):
     return(len(myGrades))
```


End you code segment

Question 2_____ (6 points)
Write a function (getResults). The function will ask users to enter integer until 0 is
entered. The function will return the count of even numbers.

Below write your code

```
Def getResults():
     ctr = 0
     num = input(int('enter an integer: '))
     while(num != 0):
           num = input(int('Enter an integer: '))
           if(num % 2 == 0):
                 ctr = ctr + 1
 return ctr
```


End you code segment

Question 3_____ (6 points)
Write a function (getResults). The function will read a data file (data.txt). The file
has integer values. The function will return the average of the numbers.

Below write your code

```
def getResults():
    ctr = 0

    readFile = open('data.txt' , 'r')
    for line in readFile:
            total = line + line
            car = ctr + 1
    avg = total / ctr
    readFile.close
return avg
```

End you code segment

Question 4_____ (6 points)
Write a function (getResults) that has 2 string parameters (lastName, firstName).
The function will return a string which will formatted as
lastName, firstName

Below write your code

```
def getResults(lastName, firstName):
Return 'lastName', 'firstName'
```

End you code segment

Question 5_____ (6 points)
Write a function (getResults) that returns the Fahrenheit equivalents of Celsius
temperatures. The function will have the Celsius as the parameter.
The formula for converting a temperature from Celsius to Fahrenheit is

$$F = \frac{9}{5}C + 32$$

where F is the Fahrenheit temperature, and C is the Celsius temperature.

Your function returns the Fahrenheit equivalents.

Below write your code

```python
def getResults(celcius)
    fahrenheit = 9(celsius + 32)/5
    return fahrenheit
```

End you code segment

Question 6_____ (6 points)
Write a function getResults that has two integer parameters (valueOne, ValueTwo).
The function will return 100 if valueOne * valueTwo is greater than 10; otherwise,
the function will return 0

Below write your code

```python
def getResults(valueOne, ValueTwo):
    val = valueOne * ValueTwo
    if(val > 10):
        return 100
    else:
        return 0
```

End you code segment

Question 7_____ (6 points)
Write a function (getResults) that has a list parameter (myGrades). The function
will return the sum, maximum and minimum values of the list.

Below write your code
```python
    def getResults(myGrades):
        sum = sum(myGrades)
        max = max(myGrades)
        min = min(myGrades)
    return sum max min
```

End you code segment

Question 8_____ (6 points)
Write a function (getResults) that has a list parameter (myGrades). The function will return the sorted list in ascending order.

Below write your code

```
def getResults(myGrades):
    myGrades.sort()
    return myGrades
```

End you code segment

Question 9_____ (6 points)
Write a function (getResults) that has a parameter – three integer parameters (a, b, c). The function will return the result of the following expression:
$$3(14ab - 2ac) +1\ 5abc$$

Below write your code

```
def getResults(a, b, c):
    value =  3(14ab – 2ac) +1 5abc
    return value
```


End you code segment

Question 10_____ (6 points)
Write a function (getResults) that has two integer parameters (lowerLimit, upperLimit). The function will return the count of numbers between the lowerLimit

and upperLimit, which are divisible by 10 and 15

Below write your code

```python
def getResults(lowerLimit, upperLimit):
    ctr = 0
    while(lowerLimit != upperLimit):
        if(lowerLimit % 10 = 0):
            if(lowerLimit % 15 = 0):
                ctr = ctr + 1
        lowerLimit = lowerLimit + 1
    return ctr
```

End you code segment