

Winner!

Group 21

CMSC 201 In-Class Exercise

Place all names of those in group here:

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Remember:

1. This is for extra credit if your team's work is selected
2. Be complete
3. Be neat
4. Be organized
5. Use everyone's input
6. Use the back if you must, please tell us you did

In your groups, write Python code that will:

- get 10 integers from the user and store them in a list
- find the total of the numbers in the list
- find the minimum value in the list
- find the maximum value in the list
- find the average of the values in the list
- print the total, minimum, maximum & average similar to the following sample output:

```
Total = 115
Minimum = 1
Maximum = 25
Average = 11.5
```

great job!

- your code should be in main()
- check to make sure your list is populated using a mandatory debugging statement

```
def main():
    print "This program will take a user-inputted list and displays the total, minimum, maximum, and average value while knocking your socks off."
    #create our list
    numList = []
    #inputting our list through a loop
    for i in xrange(10):
        number = input("Please input a number.")
        numList.append(number)
    #debugging statement
    for number in numList:
        print number
    #totaling the list
    total = 0.0
    for number in numList:
        total += number
    #averaging the list
    average = total / 10

    #finding minimum and maximum
    max = numList[0]
    min = numList[0]
    for number in numList:
        if number is >= max:
            max = number
        if number is < min:
            min = number

    #printing values
    print "Total = ", total
    print "Minimum = ", min
    print "Maximum = ", max
    print "Average = ", average

main()
```