CPSC 231 (Winter 2017)

TA: Samiul Azam

2D list exercise

Use the following definition and the labeled code snippets below to answer the questions in this section.

```
M = [
    [1, 2, 3],
    [4, 5, 6],
    [7, 8, 9]
]
```

```
# code "Alice"
sum = 0
for r in M:
    sum = sum + r[0]
print(sum)
```

```
# code "Bob"
sum = 0
for v in M[1]:
    sum = sum + v
print(sum)
```

```
# code "Carol"
sum = 0
for r in M:
    sum = sum + r[-1]
print(sum)
```

```
# code "David"
sum = 0
for i in range(len(M)):
    sum = sum + M[2 - i][i]
print(sum)
```

```
# code "Eve"
sum = 0
for i in range(len(M)):
    sum = sum + M[i][i]
print(sum)
```

2D list exercise

- Which code snippet calculates and prints the sum of the values in the leftmost column of M?
- Which code snippet calculates and prints the sum of the values in the rightmost column of M?
- Which code snippet calculates and prints the sum of the values in the middle row of M?
- Which code snippet calculates and prints the sum of the values in the diagonal of M, from the lower left to the upper right corner?

Assignment 2

- Deadline March 3, 2017 (4pm)
- Send me (samiul.azam@ucalgary.ca) only the assignment python file, not the config.py.
- Use your U of C email address (No gmail, yahoo or any other)
- Email subject should be

  "CPSC 231: Assignment 02"

Assignment 2

- Run the sample solution to discover the finer points of how certain things operate.
- Run the lecture recording from February 8 shows the sample solution running, and how to manage different
  test files by copying them to config.py.
- Be sure that the solution matches the spec, because otherwise you will not get the marks for those aspects where it doesn't.

Thank you