

## Assignment 09 – 2D Arrays

### 1. Course Grades

```
monthNames = ("January", "February", "March", "April", "May", "June", "July", "August",  
              "September", "October", "November", "December")  
employees = ["Aaron", "Ryan", "Jim"]  
  
#Note: Each column corresponds to the month of the year  
sales = [  
    [1, 1, 2, 2, 3, 2, 1, 1, 4, 3, 1, 1], #Aaron monthly car sales  
    [3, 4, 2, 3, 4, 5, 5, 2, 3, 4, 3, 1], #Ryan monthly car sales  
    [1, 1, 6, 2, 1, 1, 1, 4, 5, 2, 2, 1]  #Jim monthly car sales  
]
```

Given the above lists you are to develop a program in both RAPTOR and PYTHON to answer the following questions:

- a. Who sold the most cars for the year? Display more than one name if a tie exists.
- b. Who sold the most cars each month? Display more than one name if it a tie exists.
- c. What was the average number of cars sold each month?
- d. What were the yearly car sales for each sales person?
- e. What month had the highest car sales?
- f. What was the yearly car sales for the dealership (i.e. total of all sales persons)?
- g. What was the best performing quarter?
  - i. Note: There are four quarters per year:
    1. **Quarter 01:** January-March
    2. **Quarter 02:** April-June
    3. **Quarter 03:** July-September
    4. **Quarter 04:** October-December
- h. Who sold the most cars per quarter? Display more than one name if a tie exists.

**Note:** I am leaving the output to you but it should be in an easy to identify the question you are answering and the answer you calculated.