Chapter 6 Farrell Programming Exercises

Exercise 5a Flowchart & Pseudocode.

```
start
    Declarations
      num CLASSES = 5
       num CLASS_NUMBERS[] = 1, 2, 3, 4, 5
      string CLASS_NAME[] = "Yoga 1", "Yoga 2", "Children's Yoga",

"Prenatal Yoga", "Senior Yoga"
       num inClassNum
       num x
       string chosenClass
    input inClassNum
    for x = 0; x < CLASSES; step 1
      if inClassNum = CLASS_NUMBERS[x] then
         chosenClass = CLASS_NAME[x]
       endif
                                                     start
    endfor
    output chosenClass Declarations
stop
                          num CLASSES = 5
                          num cLASS_NUMBERS[] = 1, 2, 3, 4, 5
                          string CLASS_NAME[] = "Yoga 1", "Yoga 2", "Children's Yoga",
                                                  "Prenatal Yoga", "Senior Yoga"
                          num inClassNum
                          num x = 0
                           string chosenClass
                                              input inClassNum
                                                                      Yes
                                               while x < CLASSES
                                                    No
                                              output chosenClass
                                                                     No
                                                                                                                   Yes
                                                                            inClassNum = CLASS_NUMBERS[x]
                                                      stop
                                                                                                          chosenClass = CLASS_NAME[x]
                                                                                                                    x = x + 1
```

Exercise 5b Flowchart & Pseudocode.

