# Task 1

Current task:

* Make up to 10 fields for the voter table, and 10 fields for the candidate table
* Create 15 datasets for voters, 15 datasets for candidates

Voter Table

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Description |
| Voter ID | Integer | Login ID for Voter |
| Name | Var Char | Name of the Voter |
| Age | Integer | - |
| Suburb | Var Char | Suburb of residence of the Voter |
| Status |  |  |
| Number of Dependents |  |  |
| Eye colour |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Candidate Table

|  |  |  |
| --- | --- | --- |
| Field Name | Data Type | Description |
| Symbol | Var Char | Party symbol |
| Name | Var Char | Name of the Voter |
| Age | Integer |  |
| Suburb | Var Char |  |
| Count | Integer |  |
|  |  |  |
|  |  |  |

# Task 2

To-do’s:

* Flowchart/algorithm
* Modify code from lab7-5.cpp to accommodate the options for this project
* Incorporate loops and selection logic (switch statements probs)

**Enter P - Print numbers for a particular candidate**

* If an illegal choice is made, you should display, "Unknown selection, please try again" and the menu options should be displayed again.
* If the user enters 'P' or 'p', you should display all of the elements (ints) in the list.
* If the list is empty you should display "[] - the list is empty"
* If the list is not empty, then all the list element should be displayed inside square brackets separated by a space. For example, [1 2 3 4 5]

**Enter A - Add number of votes to a candidate**

* If the user enters 'A' or 'a' then you should prompt the user for an integer to add to the list Duplicate list entries are OK
* which you will add to the list and then display it was added. For example, if the vote enters to candidate x You should display, "Candidate ".
* calculate the number of votes certain candidate has???
* If the list is empty you should display, "Unable to calculate the mean - no data"

**Enter S - Display the candidate with the smallest number of votes**

* If the user enters 'S' or 's' you should display the smallest element in the list. For example, if the list contains [2 4 5 1], you should display, "The smallest number is 1"
* If the list is empty you should display, "Unable to determine the smallest number - list is empty"

**Enter L - Display candidate with the largest number of votes**

* If the user enters 'L' or 'l' you should display the largest element in the list. For example, if the list contains [2 4 5 1], you should display, "The largest number is 5"
* If the list is empty you should display, "Unable to determine the largest number - list is empty"

**Enter Q - Quit**

* If the user enters 'Q' or 'q' then you should display 'Goodbye" and the program should terminate.