Instructor: Professor Neena Kaushik
Office hours (in AT 203): Mondays: 3:15 to 4:15 p.m.
Wednesdays: 10 to 11 a.m.
and by appointment
Email: kaushikneena@fhda.edu
Course website: http://www.deanza.edu/faculty/kaushikneena
Lecture: 12:30 - 2:10 p.m. in AT 312 (1:30 – 1:35 p.m. break) (Mondays & Wednesdays)
Lab: 2:15 - 2:40 p.m. in AT 312 (Mondays & Wednesdays)
Topics Covered: Flow charts with sequential and binary search
Sentences in quotes have been taken as is from the textbook. The material in these notes has been prepared by referring the textbook and the slides for the instructor.

References: http://en.wikipedia.org/wiki/Flowchart

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Sequential Search

```c
bool seq_search(int list[], int last, int target, int* loc);
```
start seq_search

looker = 0

looker < last && target!=list[looker]

yes

looker ++

Is target= =list[looker]

no

found =false

yes

found = true

end seq_search
Binary Search

```c
bool binary_search(int list[], int end, int target, int* loc);
```
mid = (first+last)/2

Is target > list[mid]

no

Is target < list[mid]

no

first = last + 1

yes

last = mid - 1

yes

first = mid + 1

no

2