# CSE 160 25sp Quiz 1 Reference Sheet

```
# if/elif/else syntax              # for loop syntax
if condition1:                     for i in sequence:
    # statements                       # statements
elif condition2:
    # other statements             # function definition syntax
else:                              def function_name(param1, param2, …):
    # more statements                  # statements
```

| Function | Description |
|---|---|
| range([start,] stop [, step]) | Returns a sequence of numbers from *start* (inclusive) to *stop* (exclusive) incremented by *step* |
| len(*lst*) | Returns the number of elements in *lst* |

## Lists

| Function | Description |
|---|---|
| lst = [] | Creates an empty list |
| lst[*idx*] | Returns the element in *lst* at index *idx* |
| lst[*start : end*] | Returns a sublist of *lst* from index *start* to index *end* (exclusive) |
| lst[*start : end : step*] | Returns a sublist of *lst* from index *start* (default 0) to index *end* (exclusive, default *len(lst)*), incrementing by *step* |
| lst.append(*elmt*) | Adds the element *elmt* to the end of *lst*. Returns **None**. |
| lst.extend(*other*) | Adds each of the elements in the list *other* to the end of *lst*. Returns **None**. |
| lst.index(*elmt*) | Returns index of the first occurrence of *elmt* in *lst,* error if *elmt* is not in lst |
| lst.count(*elmt*) | Returns the number of times *elmt* occurs in *lst* |
| lst.remove(*elmt*) | Removes first occurrence of *elmt* from *lst*, error if *elmt* is not in *lst*. Returns **None**. |
| lst.pop(*idx*)<br>lst.pop() | Removes and returns the element at index *idx* in *lst*.<br>With no parameter, removes the last element in *lst* |
| lst.insert(*idx, elmt*) | Inserts an element *elmt* in *lst* at index *idx.* Returns **None**. |
| *lst*.sort() | Sorts the given list *lst*. Returns **None**. |
| *lst*.reverse() | Reverses the order of elements in the list *lst*. Returns **None**. |