

## CS 150 Spring 2020 – Quiz 4 “Cheat Sheet”

### Input/Output

- Reading input from the user  
**input(message):** Displays message to the user and returns what the user typed as a string

### Conditionals

The simplest conditional is

```
if <condition>:  
    <statements>          # executed if the condition is True
```

Conditionals can optionally have **elif** and **else** components:

```
if <condition1>:  
    <statements>          # executed if condition 1 is True  
elif <condition2>:  
    <statements>          # executed if condition 1 is False and condition 2 is True  
else:  
    <statements>          # executed if both condition 1 and condition 2 are False
```

### while-loops

The general format of a while-loop is:

```
while <condition>:  
    <statements>
```

If the **condition** is True, the **statements** are executed and the **condition** is checked again. This process repeats until the **condition** is False.