

## Unit 3 – Lesson 5: Else - If

# Try it:

Awards in a game are awarded by:

|          |                  |
|----------|------------------|
| Bronze   | 100 – 175 points |
| Silver   | 176 – 250 points |
| Gold     | 250 – 300        |
| Platinum | 301 and above    |

Write a program that asks the user to enter a score and then print out the correct award level.

# else if - elif

- Sometimes there are more than two choices
- **elif** lets you test a second (or third, or fourth...) condition
- The first option that is true happens, the rest are skipped

# Example:

```
num = int(input("Enter a number: "))

if (num > 0):
    print ("Positive")
elif (num == 0 ):
    print ("ZERO")
else:
    print ("Negative")
```

# elif

- Stands for **else - if**
- The **else** (with no if) always goes at the end

# Example:

```
g = int(input("a number: "))

if (g == 9):
    print ("Freshman")
elif (g == 10):
    print ("Sophomore")
elif (g == 11):
    print ("Junior")
elif (g == 12):
    print ("Senior")
else:
    print ("You\'re not in high school!")
```

# Nested IF's

```
if (grade >= 77) :  
    if (grade < 85) :  
        letter_grade = "C"
```

Put one IF statement inside another:

# Vocabulary

|                   |  |
|-------------------|--|
| <b>elif</b>       | Tests a second (or third, or fourth...) condition in an <b>if</b> statement. |
| <b>Nested ifs</b> | Putting one <b>if</b> statement inside another.                              |