- Get grades for Project

- Next Class - Renew for Midterm

- Your Midterm is Next Tuesday

- Write a program today using if statements and loops

- Finish topic on loops

- Today
Compound assignment

\[ \text{cin >> item;} \]
\[ \text{count ++;} \]
\[ \text{for (int c = 1; c <= count; c++)} \]
Program Assignment:
You have been hired by the Computerized Yard Maintenance firm. They offer the following services and rates to its customers:

1. Tree Removal at $500 per tree
2. Tree Trimming at $80 per hour
3. Stump Grinding at $25 per stump plus $2 per inch for each stump whose diameter exceeds ten inches. The $2 charge is only added when the diameter is in excess of ten inches.
4. Grass Care (mowing, trimming, edging) at $20 per visit

A one-time charge of $50 per property is added on for customers never before
__
```cpp
char response;

do {
    // Tree Removal
    int num_trees; float total_removal;
    cout << "Please enter the # trees: ";
    cin >> num_trees;
    while (num_trees < 0) {
        cout << "We got a negative number" << " please re-enter.
        cin >> num_trees;
    }
    total_removal = 500.0 * num_trees;
    cout << "Your cost for removing " << num_trees << " is $" << total_removal << endl;
}
```
/// Tree Trimming

int hours;
float tree_trim;
cout << " How many hours did you trim trees? ";
cin >> hours;
while (hours < 0) {
    cout << " Please re-enter a positive value. ";
cin >> hours;
}
tree_trim = 80.0 * hours;
```cpp
int num_stumps;
float diameter;
float stump_grinding = 0;
cout << "How many stumps are we " << "grinding?";
cin >> num_stumps;
while (num_stumps < 0)
{
    cout << "Nope! Try again";
cin >> num_stumps;
}
for (int i = 0; i < num_stumps; i++)
{
    cout << "For tree stump # " << i + 1 << " what is diameter?";
    cin >> diameter;
    if (diameter > 16.0)
        stump_grinding += 25.0 + 2.0 * (diameter - 10.0);
    else
        stump_grinding += 25.0;
}
```

Output the total...
```cpp
    output the totals

    cout << " Is there another customer?";
    cin >> response;

    while (response == 'y') {
        cout << "Thank you! ";
        return 0;
    }
```