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# Mid term

- Closed book
- closed notes
- Pencils) & Eraser(s)
- Photo ID

# • Algorithms

## • Ethics

## • Style

## • C#

- variables, int, float, char

- Assignment Statements

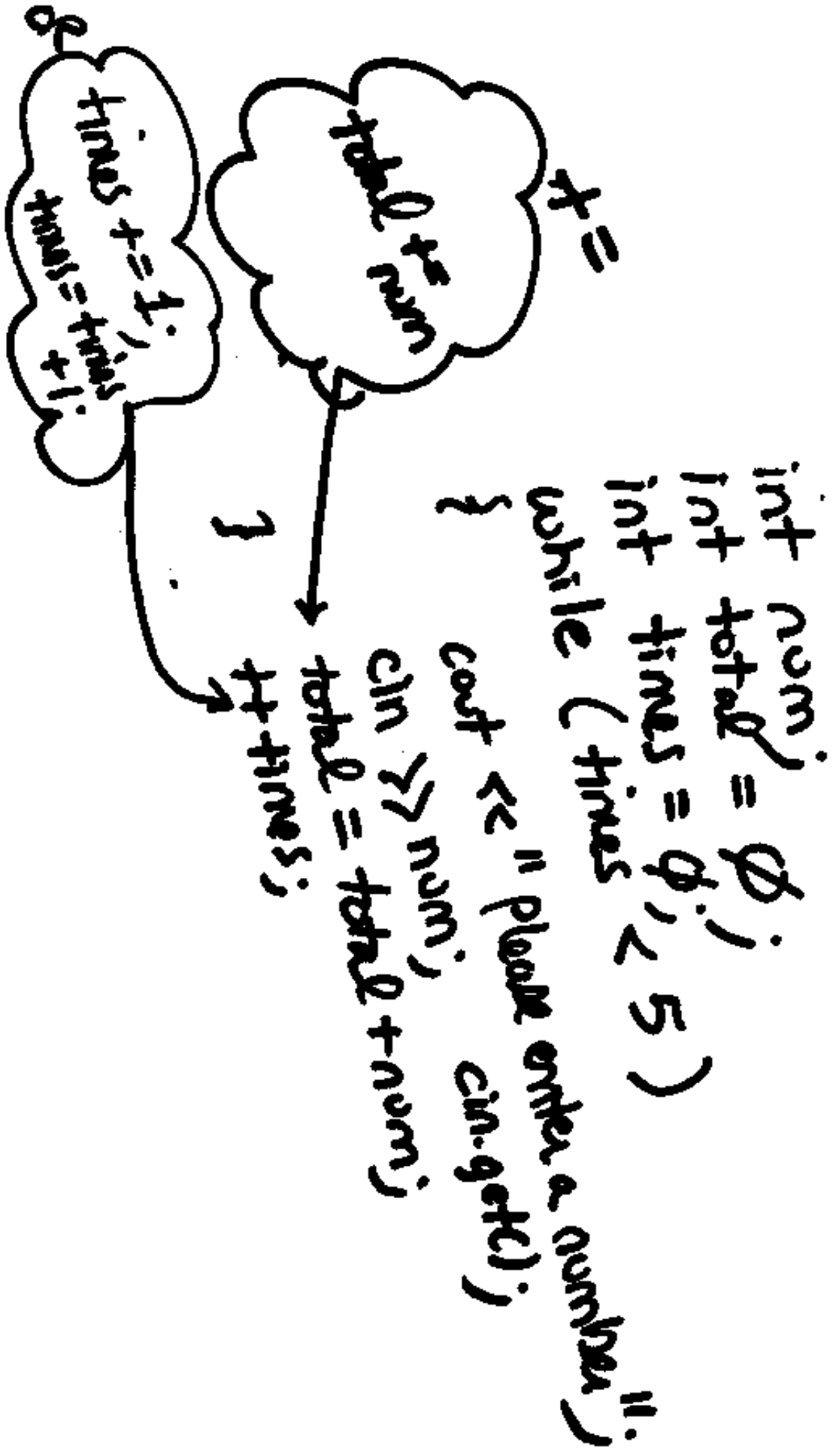
- IF statements

(else)

<, >, <=, ? =

{ - Logicals BB, II }  
- Do while, while

write a while loop that allows the user to enter a number and add it to a running total - 5 times



# Confirmation Loop

```
char response;  
do  
{  
    cout << "Enter a whole #";
```

```
    cin >> num;
```

```
    cin.get();  
    cout << "Happy? y,n ";
```

```
    cout << "response";
```

```
    cin >> response;  
    cin.get();  
} while (response != 'y');
```

```
while (response != 'n');
```



# Slide 4 Algorithm

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1. Welcome - we are going to find the largest number of 3 numbers
2. Read in 3 numbers

3 variables

- 2a. Prompt for 3<sup>rd</sup>
- 2b. Read in all 3
- 2c. Echo out all 3

3. Calculate the largest

no length

- 3a. Compare first 2 numbers if the first is largest then I will compare them we have found

if it is largest then we have found the largest  
otherwise 3<sup>rd</sup> # is largest  
add 3<sup>rd</sup> #

- 3b otherwise, now compare store if if 2<sup>nd</sup> is largest - store in "largest" variable.

4. Display results

slides

① cout << "blabla";

② cin >> variable;

③ cout << "Please... age:";

④ ;

⑤ For I/O