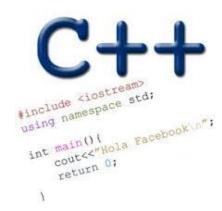
# CONTROL FLOW (CONTD.)

Problem Solving with Computers-I

https://ucsb-cs16-wi17.github.io/





#### Announcements

- Lab 01 should be done individually
- Please read the lab thoroughly before Wednesday section!
- Homeworks should be submitted in the provided template

Clickers out – frequency AB

```
instialization (done once)
Review: for loops voriable
                                               o y of the for-losp
     callFunctionOne();
     callFunctionTwo();
                               Boolean expression:
Thue pexecute body of the loop

if fake => break out of the loop

if fake => break out of the loop
```

## Identify the code that is not equivalent to the other two?

Assume 'n' is an integer that has already been declared

```
for ( int x = 0; x < n; x++ ) {
  statementOne();
  statementTwo();
 int x = 0;
 while (x < n) {
   statementOne();
   statementTwo();
```

```
Different for \gamma \leq 0
otherwise same as \gamma \leq 0
int \chi = 0;
do{

statementOne();
statementTwo();
\chi + + ;
} while (\chi < \eta);
```

**D.** They are ALL equivalent

## Infinite loops

```
for (int y=0; y<10; y--)
           cout<<"Print forever\n";</pre>
     int y=0;
7 for (;; y++)
           cout << "Print forever \n";
    int y=0;
for(;y<10;);
                                                y was not uptated in while the body of the while
      int y=0;
     while (y<10)
           cout<<"Print forever\n";</pre>
      int y=0;
     while (\underline{y=2})
```

### Fizzbuzz

Fizzbuzz(1) 1

Fizzbuzz(2)

Fizzbuzz(3) fizz

Fizzbuzz(4)

Fizzbuzz(5) buzz

Fizzbuzz(6) fizz

Fizzbuzz(7) 7

Fizzbuzz(8) 8

Fizzbuzz(9) fizz

Fizzbuzz(10) buzz

Fizzbuzz(15) fizzbuzz

#### Let's code Fizzbuzz!

## Next time

- File IO
- Number and data representation