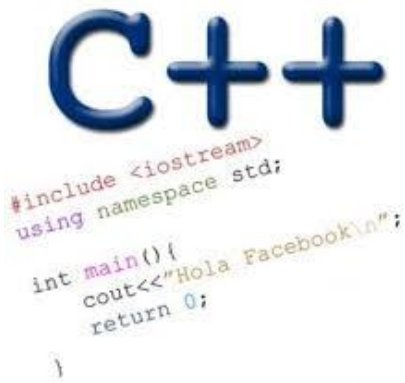
CONTROL FLOW (CONTD.)

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

Review: for loops

```
for( int x = 0; x < 50; x++ ) {
  callFunctionOne();
  callFunctionTwo();
}
```

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

Assume ‘n’ is an integer that has already been declared

A.

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

B.

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

C.

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

D. They are ALL equivalent

Infinite loops

```
for(int y=0;y<10;y--)
    cout<<"Print forever\n";
```

```
int y=0;
for(;;y++)
    cout<<"Print forever\n";
```

```
int y=0;
for(;y<10;);
    y++;
```

```
int y=0;
while(y<10)
    cout<<"Print forever\n";
```

```
int y=0;
while(y=2)
    y++;
```

Fizzbuzz

Fizzbuzz(1)	1
Fizzbuzz(2)	2
Fizzbuzz(3)	fizz
Fizzbuzz(4)	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