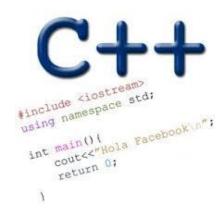
FILE 10

Problem Solving with Computers-I

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





How far along are you with lab01?

- A. Haven't started yet
- B. Working on myProg01(simple loop exercise)
- C. Completed myProg01, working on myProg02
- D. Almost done
- E. Done!

Review: Passing paramters to a C++ program

```
int main( int argc, char *argv[]) {...}
```

What are the values of argc and the elements of argv in each of the following cases?

```
$./fizzbuzz
$./fizzbuzz 1
$./fizzbuzz abc
$./fizzbuzz 1 2 3
```

Let's continue with the fizzbuzz coding example New concepts: Standard error, files, strings

Passing arguments to main: ./fizzbuzz number

```
int main(int argc, char* argv[] ) {
   if (argc != 2)
        cerr<<"Usage: "<<argv[0]<< " <number>\n";

   //stoi is only available in C++11
   fizzbuzz(stoi(argv[1]));
   return 0;
}
```

Which of the following will result in a run-time error, causing the program to crash?

- A. \$./fizzbuzz 1000
- B. \$./fizzbuzz 1 2 3
- C. \$./fizzbuzz abc
- D. B and C
- E. A, B and C

FILE IO:

```
ifstream ifs;
ifs.open("numbers.txt");
ifs.fail();
getline(ifs, line);
ifs.eof();
```

Which of the following statements is TRUE?

- A. The usage of the 'open' function shown above is incorrect
- B. A single call to getline (ifs, line) reads all lines from file until the end of file is reached
- C. If the file "numbers.txt" does not exist, the following statement will result in a run-time error: ifs.open("numbers.txt");
- D. Each time getline (ifs, line) is called, the program reads the next line in the file
- E. All the above statements are true

FILE IO: Which of the following is correct?

C. Both A and B are correct

```
B.
while(!ifs.eof()){
    getline(ifs, line);
    fizzbuzz(stoi(line));
}
```

D. Neither is correct

Next time

Number and data representation