

## Reference C++ Code A

```
if (fork() == 0) {  
    // do stuff  
} else if (fork() == 0) {  
    // do more stuff..  
} else if (fork() == 0) {  
    // do more "stuff"..  
} else if (fork() == 0) {  
    // noooo  
}
```

## Reference C++ Code B

```
if (fork() == 0) {  
    if (fork() == 0) {  
        if (fork() == 0) {  
            // if ...  
            // aaaahhhh  
        }  
    }  
}
```

## Reference C++ Code C

```
int main(int argc, char* argv[]) {  
    // just use execv to run ANY program  
    if (execv("/usr/bin/gedit", argv) == -1) {  
        // error  
        cout << "Error. Booooo!" << endl;  
    }  
    cout << "Will this line still be printed?" << endl;  
}
```

These code snippets were obtained from the Lab 6 assignment page.

1. What should be the resulting process *FAMILY TREES* from these two (Code A and Code B) code snippets? Illustrate.

In reference code A all `fork()` calls

2. Will the last line in the sample code below still be printed? How about when using `exec1()`? Why or why not? Explain.