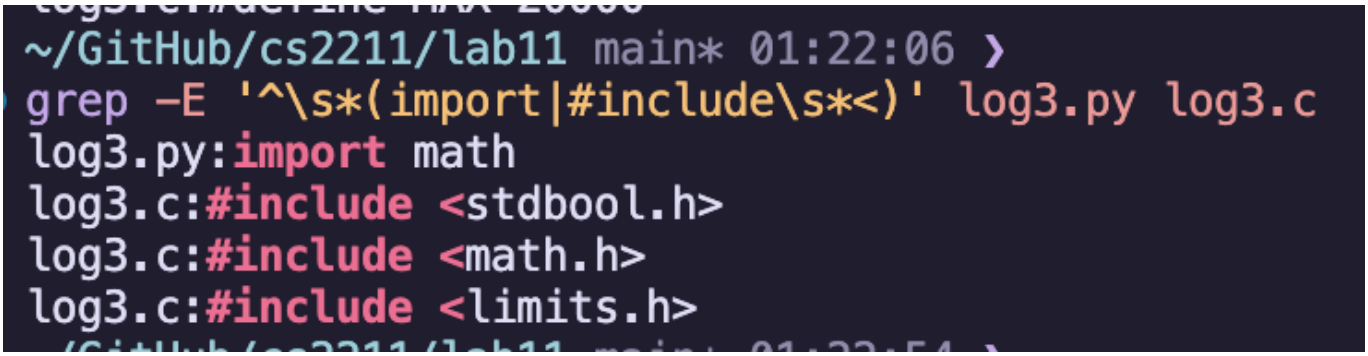
CS2211 – Lab 11 by Rohin

1. Single-line Comments

```
grep -E '^(\s*#|//)' log3.py log3.c | grep -vE '^\s*(#include|#define)'
```

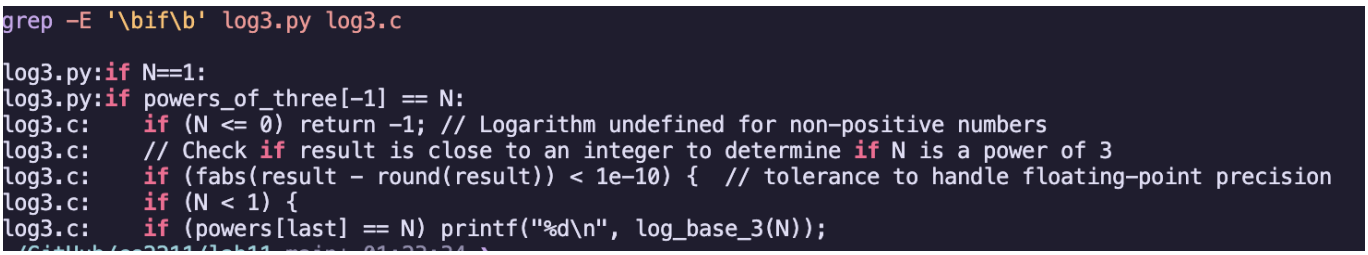
2. Imports

```
grep -E '^\s*(import|#include\s*<)' log3.py log3.c
```



3. If's

```
grep -E '\bif\b' log3.py log3.c
```



4. Assignments, but not Relational

```
grep -E '[^=!<>]=([^=]|$)' log3.py log3.c
```

```
grep -E '[^=!<>]=([^=]|$)' log3.py log3.c

log3.py:N = int(input())
log3.py:found = True
log3.py:powers_of_three = [3]
log3.c:    double result = log(N) / log(3);
log3.c:    int last = 0;
log3.c:    powers[last] = 1;
log3.c:        powers[last+1] = powers[last] * 3;
log3.c:        N/=powers[last];
```

5. Variable Declars

```
grep -E '\b(int|double|long\s+long)\b.*;' log3.c
```

```
grep -E '\b(int|double|long\s+long)\b.*;' log3.c

    double result = log(N) / log(3);
        return (int)round(result);
    long long N;
    long long powers[MAX+1];
    int last = 0;
```