

# Programmming: Assignment #1

Cheng Ni  
chengni@cs.uw.edu

---

## Question 1

---

- 1) Changed my terminal background color to make it easier on eyes:)
- 2) Set the Scrollback limit to available memory
- 3) Window size: (80 x 24)

---

## Question 2

---

- 1) alias l = 'ls -l'. Listing file is a common command that I might use a lot so I set a short cut l to list out all the file(including the hidden file) under the current directory.
- 2) alias rm = 'rm -i'. Confirmation before actually deleting anything.
- 3) alias py = 'python'. I often use python in the terminal as a calculator, so it's easier to set a shortcut for python

---

## Question 3

---

```
#include <iostream>
using namespace std;
int main() {
    std::cout << "Hello CERN" << std::endl;
}
```

#include <iostream> stands for the input and output stream. It's a header that tells the compiler to translate the source code to executable language.

---

## Question 4

---

**Some thoughts:** initialization; while loop structure; if statement; a variable for the sum; a counter

```
#include <iostream>
using namespace std;
int main() {
    int sum = 0;
    int n = 1;
```

```
while (n <= 1000) {  
    if (n % 3 == 0 || n % 5 == 0) {  
        sum += n;  
    }  
    n++;  
}  
  
}
```