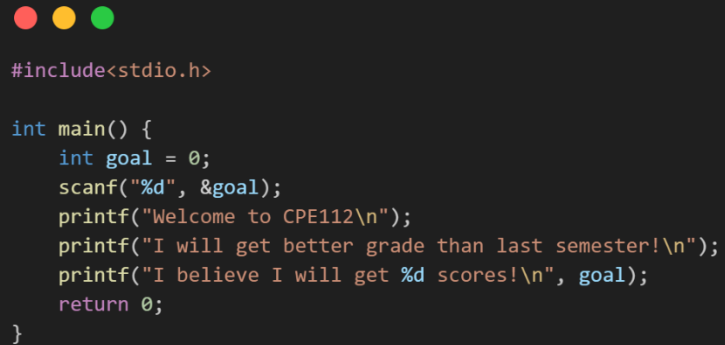Jetanin Naitho 67070501011

Lab 00: Setup Lab Environmental

1.Goal Setting

```c
#include<stdio.h>

int main() {
    int goal = 0;
    scanf("%d", &goal);
    printf("Welcome to CPE112\n");
    printf("I will get better grade than last semester!\n");
    printf("I believe I will get %d scores!\n", goal);
    return 0;
}
```

2. IsPrime

```c
#include <stdio.h>
#include <math.h>
#include <stdbool.h>

bool isPrime(int n) {
    if (n < 2) return false;
    for (int i = 2; i <= sqrt(n); i++) {
        if (n % i == 0) return false;
    }
    return true;
}

int main() {
    int a, b;
    scanf("%d %d", &a, &b);

    bool found = false;

    for (int i = a + 1; i < b; i++) {
        if (isPrime(i)) {
            if (found) printf(" ");
            printf("%d", i);
            found = true;
        }
    }

    if (!found) printf("none");

    printf("\n");
    return 0;
}
```

3. Max and Min

```c
#include<stdio.h>

int main(){
    int n;
    int max = -9999;
    int index_max = 0;
    int min = 9999;
    int index_min = 0;
    int index = 0;
    while(1){
        scanf("%d", &n);
        if(n == -9999)break;
        if (n > max){
            max = n;
            index_max = index;
        }
        if (n < min){
            min = n;
            index_min = index;
        }
        index++;
    }

    printf(" %d %d\n", max, index_max+1);
    printf(" %d %d\n", min, index_min+1);
}
```