

PIC 10A 1C Week 7b. Mini quiz. TA: Eric Kim.

1. Fairly Odd Program [3 minutes]

Write a program that asks the user for two integers a and b, and outputs all odd numbers between a and b (including a and/or b if they happen to be odd). An example output:

```
Enter two integers: 2 7
3
5
7
```

```
#include <iostream>

int main() {
    int a, b;

    cout << "Enter two integers: ";
    for (int i = a; i <= b; ++i) {
    }
    return 0;
}
```

2. Fibonaccios [3 minutes]

The Fibonacci sequence is the sequence of numbers: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, etc. Each term is the sum of the previous two terms: $1+1=2$, $1+2=3$, $2+3=5$, $5+3=8$, etc.

Write a program that outputs the first N fibonacci numbers, where N is an integer given by the user. Pretend you are writing a brand-new cpp file (ie include any necessary headers). Use the following Fib class interface in your main() function:

```
class Fib {  
public:  
    Fib(); // Constructor  
    unsigned int compute(unsigned int n); // Outputs the n-th term  
                                         // of the Fib sequence  
};
```

Here's the expected output:

```
Enter an integer: 5  
The first 5 fib numbers are:  
0  
1  
1  
2  
3  
// YOUR CODE HERE
```