Q1 Instructions
0 Points

To receive full credit on this quiz, you must score at least 50%.

The Github repo for Lecture 12 is at:
https://github.com/ucsd-cse12-sp21/ucsd-cse12-sp21.github.io/tree/master/lectures/lecture-12

Q2 Run-Time
2 Points

```
// This method returns whether or not a pair of numbers,
// num1 and num2, are between 1-m and 1-n, respectively
boolean findPair(int num1, int num2, int m, int n) {
    for (int i = 1; i <= m; i++) {
        if (num1 == i) {
            for (int j = 1; j <= n; j++) {
                if (num2 == j) {
                    return true;
                }
            }
        }
    }
    return false;
}
```

Q2.1 Worst Case Runtime
1 Point

What is the worst case runtime of findPair?

⦿ O(m+n)

◯ O(m*n)

◯ O(m/n)

◯ O(m)

◯ O(n)

Q2.2 Best Case Runtime
1 Point

What is the best case runtime of findPair given it returns false?

- ◯ O(1)
- ◯ O(m+n)
- ◯ O(m*n)
- ⦿ O(m)
- ◯ O(n)