

CSI 201

Using vectors and randomness!

1. Write some code to 1) Get user input for a seed, 2) seed the random number generator (RNG), and 3) Fill a vector of size 20 with random 0s and 1s

2. The solution to the previous prompt might look something like the following:

```
#include <iostream>
#include <cstdlib>
#include <vector>
using namespace std;
int main() {
    int user_seed;
    cin >> user_seed;
    srand(user_seed);
    vector<int> myrands;
    for(int i = 0; i < 20; ++i) {
        myrands.push_back( rand() % 2 );
    }
}
```

3. Make a vector of strings. Fill it you with X's and O's using randomness. Count how many X's are in the whole vector and output this number.

