

# Northern Michigan University (Marquette Co, MI)

CS201-01-22F: Programming In C++ (Andrew A. Poe)

Practice Quiz 2

Wednesday 14 September 2022 11:00 A.M. EDT

Time: 15 minutes.

Write the following method (not a whole program):

```
int ** MakeArray (int r, int c);
```

This method creates a 2-dimensional array with the given number of rows and columns. Each entry in the array is initialized with the value of its row number minus its column number. The array should then be returned.

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```
int ** MakeArray (int r, int c) {  
  
    int **A = new int*[r];  
    for (int i=0; i < r; i++) {  
        A[i] = new int[c];  
        for (int j=0; j < c; j++)  
            A[i][j] = i-j;  
    }  
    return A;  
}
```