CS211

Understanding Arrays as Pointers

Run the following program and make sure that you can explain the output,

Note: the sizeof() function returns the number of bytes of the argument passed to it.

```cpp
#include <iostream>
using namespace std;

int main( )
{int b[3][2];

cout<<sizeof(b)<<endl;

cout<<sizeof(b+0)<<endl;

cout<<sizeof(*(b+0))<<endl;

// the next line prints 0012FF68

cout<<"The address of b is: "<<b<<endl;

cout<<"The address of b+1 is: "<<b+1<<endl;

cout<<"The address of &b is: "<<&b<<endl;
;
cout<<"The address of &b+1 is: "<<&b+1<<endl<<endl;

return 0;
}
```