```cpp
// Brianna Soriano
// Kenry Yu
// Onlena Bilinska
// Demo: 5:20 PM

#include <iostream>
using namespace std;

void mySwap(int *, int &);

int main() {
  int a = 5;
  int b = 10;
  cout << a << " " << b << endl;
  mySwap(&a, b);
  cout << a << " " << b << endl;
  return 0;
}

void mySwap(int *x, int &y) { // X is a integer pointer, passed by address
                // Y is a integer, passed by reference
  int temp = *x; // temp is an integer, temp = the value of x pointing
        // temp = 5
  *x = y;    // go to the address of x, and change it to address of y
  y = temp;    // y = the OG value where x was pointing
  // y = 5
}
```

```
> make -s
> ./main
5 10
10 5
>
```