The first obstacle that I overcame was the fact that the program would never type anything and would simply have everything inputted and exit out of the program by itself. I had initially thought that the cin.ignore was typed wrong. However, soon after, I realized that the program was simply processing too fast for the eye to catch and it would exit out of the program by itself. In order to counter this problem, I typed out a system(“PAUSE”) in order to pause the program before allowing it to proceed. However, it was due to not setting the properties to console.

The second obstacle that I had was the if ladder and how to make it not type out the dollar amount if one of the inputs was wrong (blank or negative number). Being able to ensure that all of the program did not run but rather only the specified outcome of the if ladder was a large struggle as well.

Test 1: This test is performed in order to check if the lack of an identification will yield the proper error output sentence.

* Identification:
* Expected revenue (in millions): **60**
* Country: **Canada**

Test 2: This test is performed in order to check if the negative expected revenue will yield the proper error output sentence.

* Identification: **Venetian Hotel**
* Expected revenue (in millions): **-33**
* Country: **USA**

Test 3: This test is performed in order to check if the lack of a country will yield the proper error output sentence.

* Identification: **MGM Mirage**
* Expected revenue (in millions): **30**
* Country:

Test 4: This test is performed in order to check an input of a non-integer number will yield the correct license fee.

* Identification: **Chinatown Bank**
* Expected revenue (in millions): **44.2**
* Country: **Japan**

Test 5: This test is performed in order to check if the country UAE or Turkey will result in a different output license fee with a different rate for 20-50 million.

* Identification: **Turkey Hotel**
* Expected revenue (in millions): **45**
* Country: **Turkey**

Test 6: This test is performed in order to check if the country UAE or Turkey will result in a different output license fee with a different rate, due to the 20-50 million range but expands to the last bracket of fees (above 50 million).

* Identification: **Turkey Hotel**
* Expected revenue (in millions): **55**
* Country: **Turkey**

Test 7: This test is performed in order to check if the country UAE or Turkey will result in the same output license fee with a range under 20 million.

* Identification: **UAE Hotel**
* Expected revenue (in millions): **15**
* Country: **UAE**

Test 8: This test is performed in order to check if the country that is not UAE or Turkey will result in the same output license fee with a range under 20 million.

* Identification: **American Golf Course**
* Expected revenue (in millions): **13**
* Country: **USA**

Test 9: This test is performed in order to check if the country will result in a different output license fee than the countries UAE or Turkey would with a different rate for 20-50 million.

* Identification: **Bellagio Hotel**
* Expected revenue (in millions): **40**
* Country: **China**

Test 10: This test is performed in order to check if the country will result in a different output license fee with a different rate than the UAE or Turkey, due to the 20-50 million range but expands to the last bracket of fees (above 50 million).

* Identification: **Japanese Empire**
* Expected revenue (in millions): **87**
* Country: **Japan**