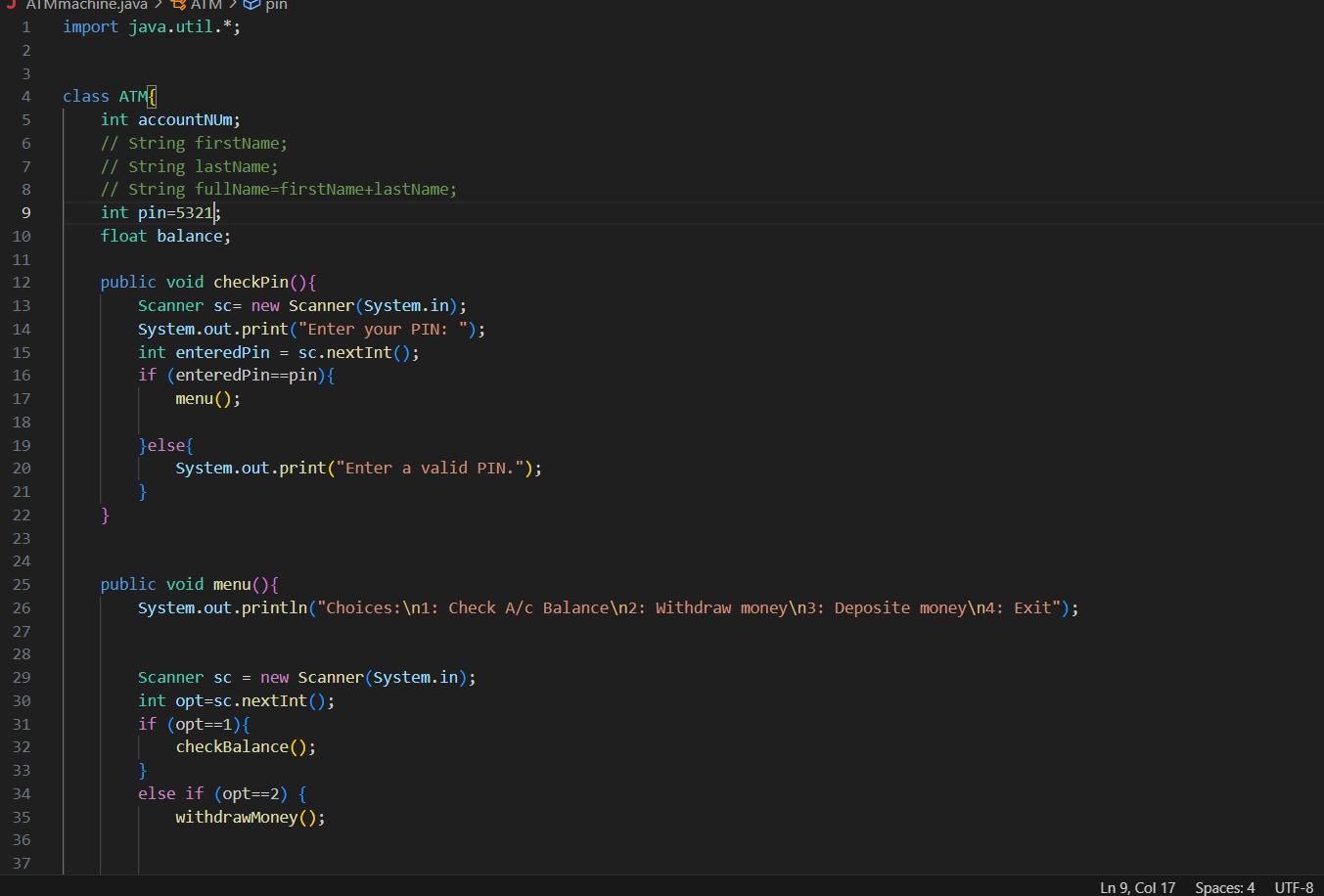
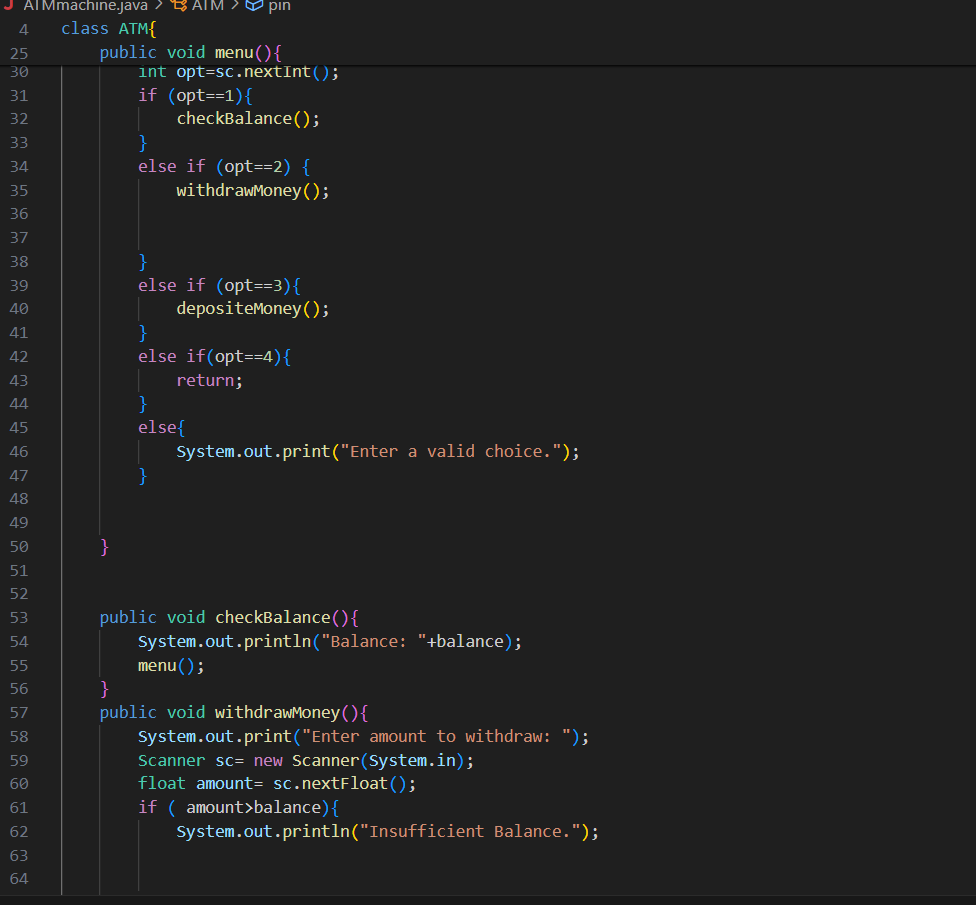
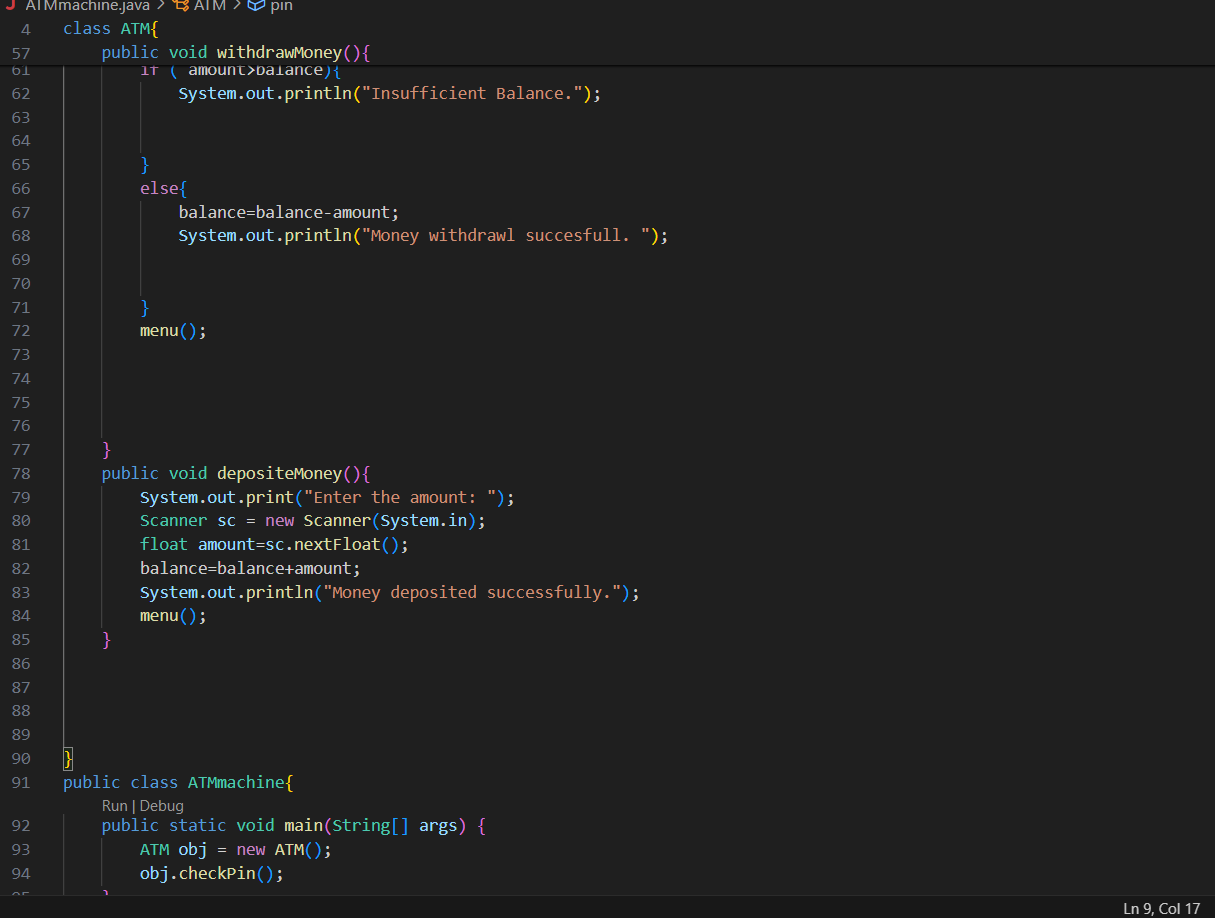
input





Output:

