

**Instructions:**

1. ALL DUE TIMES ARE IN EST
2. Write your code in VS Code, and upload the code to the BB Assignment.
3. Be sure to save the lab with your initials at the end so you know you're uploading the correct version to BB.
4. All answers must be your own code, and copy-and-paste answers will receive no credit.
5. You are limited to 2 submissions
6. **You must be in the lab session to get the lab's credit.**

**Patient data management**

Create a list to store the names of four patients: Jane Doe, John Smith, Emily White, and Michael Brown. Then:

1. Print the name of the second patient in the list
2. A new patient arrives to the hospital: Sarah Miller. Add her at the end of the list.
3. The third patient's name was misspelled; it should be Williams instead of White. Update the patient's name to reflect the correct one.
4. The clinic decides to merge with another healthcare provider, which means the patient records from both institutions must consolidate into a single list:
  - a. Create a new list containing the names Alejandro Ramirez, Chloe Mitchell, Sofia Vargas and Liam Sullivan
  - b. Combine both patient lists into one and print the new list.
5. Modify your script to ask the user for a name, and check if it exists in the list of patients. Output the verification as a Boolean value (True or False).
6. Modify your script to ask the user for multiple patient names (separated by commas) and an index, and then insert the new names into the list, starting at the index/position given by the user.