

Python for Math and Stat Fall 2024
Exam 1

3. (10 pts) Write a function `create_IDs(names, locknums)` that creates student identifiers by concatenating student names to their locker numbers. The function takes 2 non-empty lists of the same length. List `names` will contain the student names in `str` format, and list `locknums` will contain their corresponding locker numbers in `int` format. The function returns a list of the identifiers in string format.

Example:

```
students = ['Alice', 'Bob', 'Carol']
```

```
lockers = [25, 431, 8]
```

```
create_ID(students, lockers)
```

returns

```
['Alice25', 'Bob431', 'Carol8'].
```

Solution:

```
def create_ID(names, locknums):  
    return [name + str(locker) for name, locker in zip(names, locknums)]
```

OR

```
def create_ID(names, locknums):  
    ids = []  
  
    for i in range(len(names)):  
        ids.append(names[i] + str(locknums[i]))  
  
    return ids
```

4. (10 pts) Write a function `nums_`