- A screenshot of the answers to the pre-lab multiple choice questions (if any), as follows:

  Your answers:

Q-1	Q-2	Q-3	Q-4	Q-5
D	A	C	B	A

  Take the screenshot only for the table using (cmd + shift + 4 on Mac) or (win + shift + s on Windows).

- Answers for ANY essay, short answer, fix errors, etc. questions.
- Screenshots for all the activities that requires you to write a code and/or show some output.

```python
nums = []
while len(nums) < 10:
    num = int(input("Enter a number: "))
    if num not in nums:
        nums.append(num)
    else:
        print("Number already in list.")

print(nums)
```

```
/Users/rohin/.pyenv/versions/3.12.0/bin/python /Users/rohin/GitHub/CS1026/lab5/1.py
Enter a number: 1
Enter a number: 2
Enter a number: 3
Enter a number: 4
Enter a number: 5
Enter a number: 6
Enter a number: 7
Enter a number: 8
Enter a number: 9
Enter a number: 10
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
```

```python
listInput = ['bgh', 'wer', 'yuy', '1661']
count = 0
for i in listInput:
    if len(i) >= 2 and i[0] == i[-1]:
        count += 1

print(count)
```

```
/opt/homebrew/bin/python3 /Users/rohin/GitHub/CS1026/lab5/2.py
2
```

```python
def zFirst(words):
# We will need two lists
    zresult = []
    result = []

    for word in words:
        if word.lower()[0] == 'z':
            zresult.append(word)
        else:
            result.append(word)

        zresult.sort()
        result.sort()

    return zresult + result

words = ["hello", "good", "nice", "as", "at", "baseball", "absorb", "sword", "a", "tall", "So", "bored", "silver", "h

print(zFirst(words))
```

```
/opt/homebrew/bin/python3 /Users/rohin/GitHub/CS1026/lab5/3.py
['zealot', 'zebra', 'zoo', 'So', 'a', 'absorb', 'am', 'ants', 'as', 'asparagus', 'at', 'baseball', 'because', 'bored', 'do', 'get', 'g
ood', 'hello', 'hi', 'how', 'nice', 'pool', 'seven', 'silver', 'sword', 'tall', "that's", 'want', 'we', 'xylophone', 'you', 'you']
```

```python
values = [1, 2, 3, 4, 5]
newValues = values[:]

for i in range(len(values)):
    newValues[i] += 1
    print("Old value at index {} is {}".format(i, values[i]))
    print("New value at index {} is {}".format(i, newValues[i]))
```

```
/opt/homebrew/bin/python3 /Users/rohin/GitHub/CS1026/lab5/4.py
Old value at index 0 is 1
New value at index 0 is 2
Old value at index 1 is 2
New value at index 1 is 3
Old value at index 2 is 3
New value at index 2 is 4
Old value at index 3 is 4
New value at index 3 is 5
Old value at index 4 is 5
New value at index 4 is 6
```