

```
"""
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CS2520-01
Lab 8
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"""
```

```
print("Q1")
q1 = open("Q1.txt", "r")
page_lines_q1_1 = q1.readlines()
print("part 1")
print(page_lines_q1_1[0], end = "")
print(page_lines_q1_1[2], end = "")
q1.close()
```

```
print("part 2")
q1 = open("Q1.txt", "r")
page_lines_q1_2 = list([])
for newline in q1:
    page_lines_q1_2.append(newline)
print(page_lines_q1_2[1], end = "")
print(page_lines_q1_2[3], end = "")
```

```
q1.close()
```

```
"""
Q1
part 1
We can't touch
We hunker down
part 2
But we still reach out
But we still rise up
"""
```

```
print("\n\nQ2")
fp=open('data1.txt', 'w')
fp.write("hello\t")
fp.write("how are you")
fp.write("\n")
fp.write("thank you ")
fp.write("bye\n")
fp.close()
```

```
print("data1.txt context")
q2= open("data1.txt","r")
q2_list1 = q2.readlines()
print(q2_list1)
q2.close()
```

```
fp=open('data2.txt', 'w')
fp.writelines(["hello\t", "how are you", "\n", "thank you ", "bye\n"])
fp.close()
```

```
print("data2.txt context")
q2= open("data2.txt","r")
q2_list2 = q2.readlines()
print(q2_list2)
q2.close()
```

```
print("Are the two files the same? ",q2_list1 == q2_list2)
```

```
"""
```

```
Q2
```

```
data1.txt context
```

```
['hello\thow are you\n', 'thank you bye\n']
```

```
data2.txt context
```

```
['hello\thow are you\n', 'thank you bye\n']
```

```
Are the two files the same? True
```

```
"""
```

```
print("\nQ3")
```

```
while True:
```

```
    userInput= input("Please enter a file name (i.e. Q3.txt): ")
```

```
    try:
```

```
        q3= open(userInput, "r")
```

```
    except FileNotFoundError:
```

```
        print("File not found")
```

```
        continue
```

```
    q3_list = []
```

```
    for newline in q3:
```

```
        try:
```

```
            q3_list.append((format((float(newline)),'.1f')))
```

```
        except ValueError:
```

```
            q3_list.append(0.0)
```

```
    print(q3_list)
```

```
    break
```

```
"""
```

```
Q3
```

```
Please enter a file name (i.e. Q3.txt): Q3.txt
```

```
['102.0', '20.5', 0.0, 0.0, '30.2', '12.0', '23.4',  
'45.5', '34.0', '78.0', '67.0', '58.0', 0.0, '34.2',  
'345.0', '987.0', '76.0', '54.0', '18.6', '25.4']
```

```
"""
```