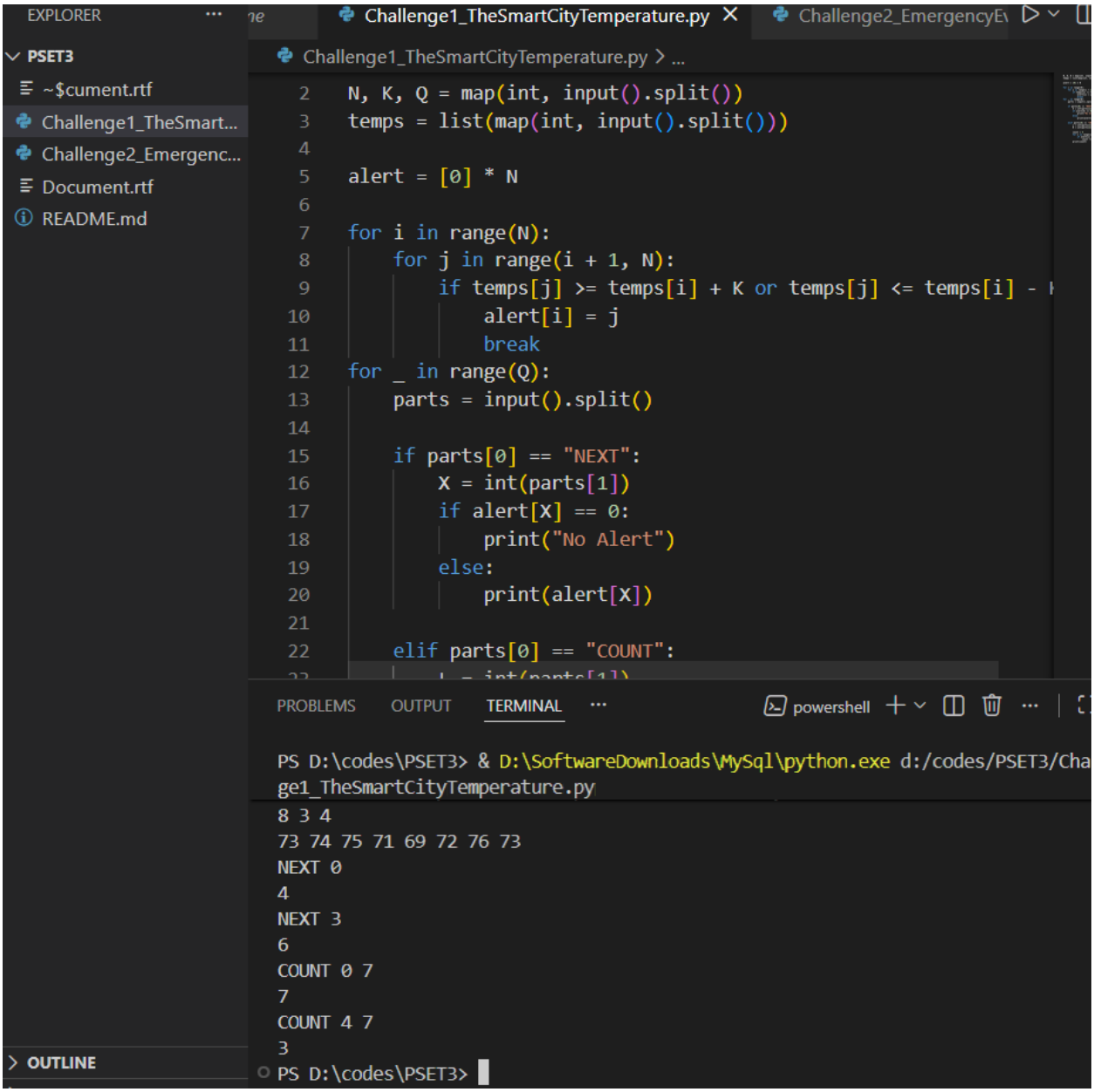
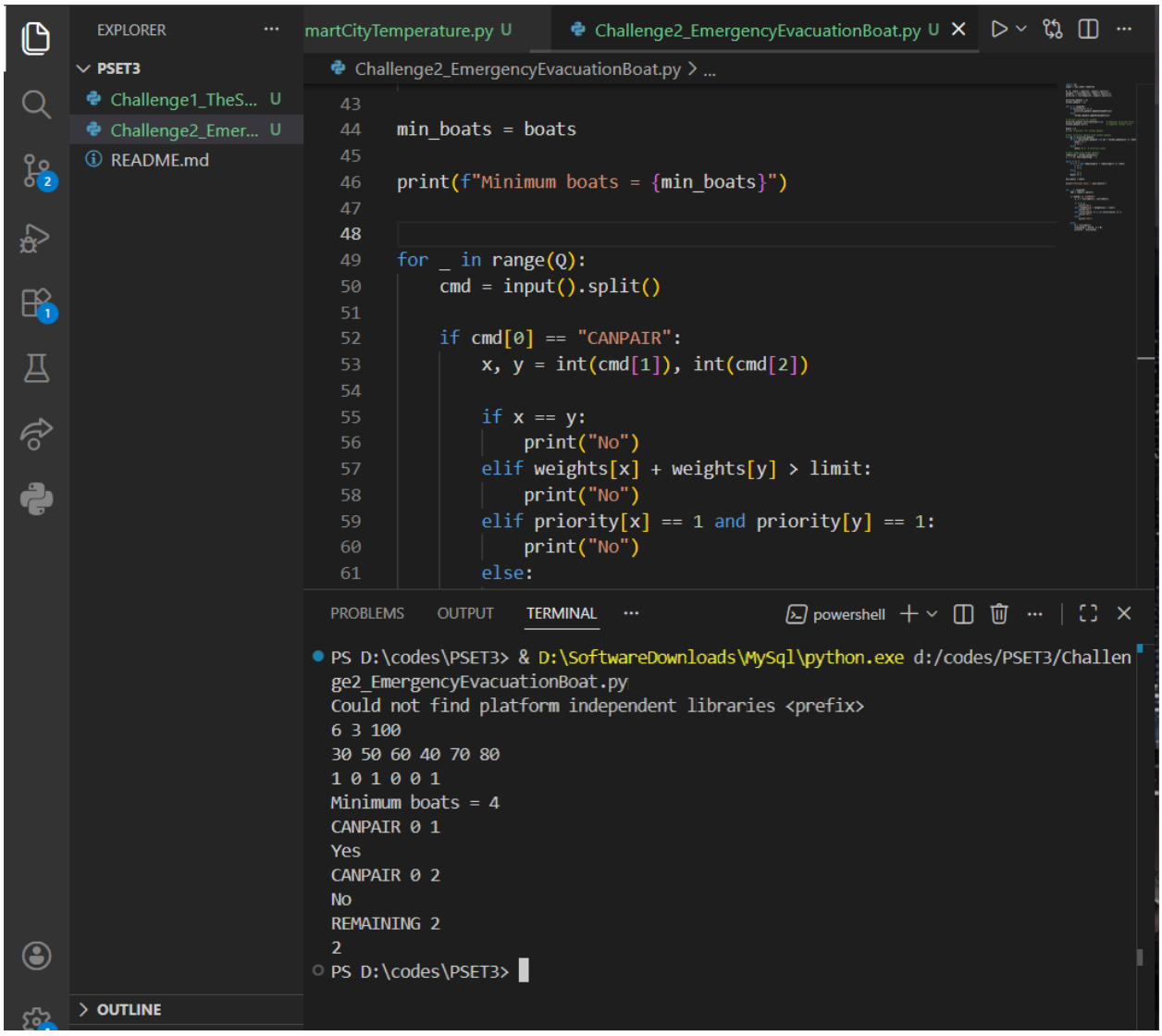
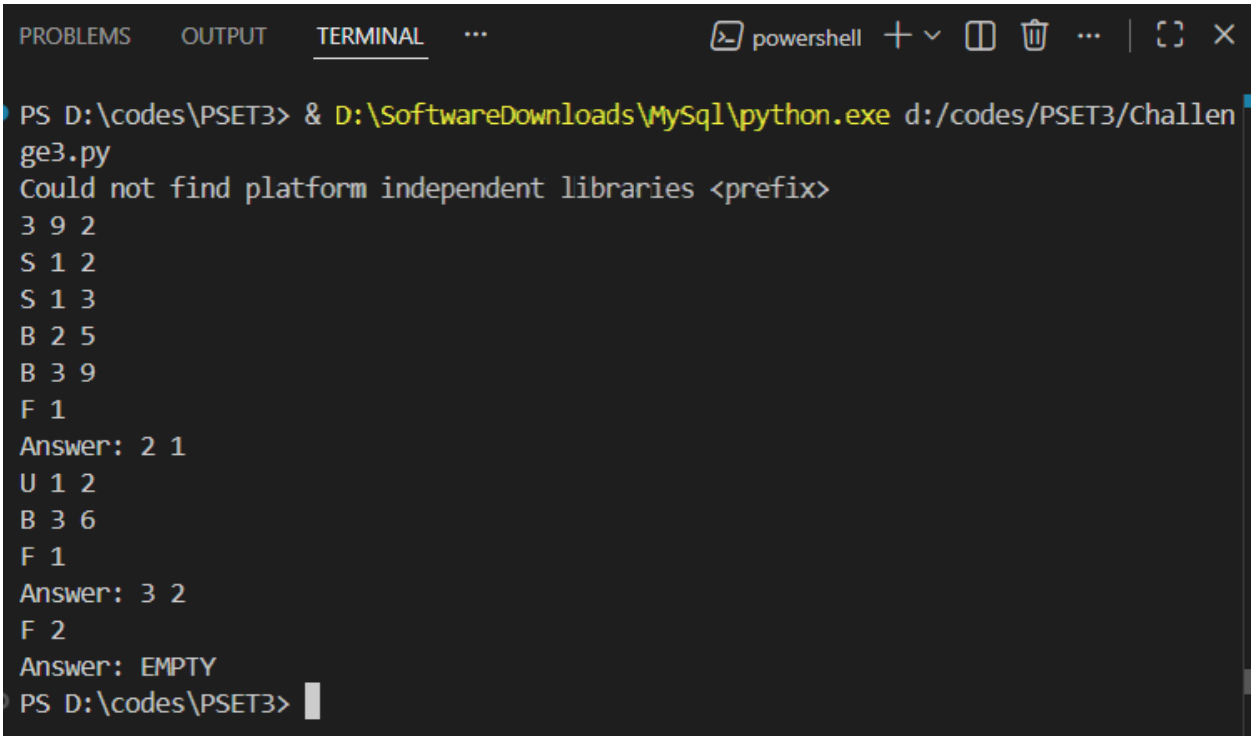
Challenge 1


EXPLORER
PSET3
~$cument.rtf
Challenge1_TheSmart...
Challenge2_Emergenc...
Document.rtf
README.md
OUTLINE
Challenge1_TheSmartCityTemperature.py
Challenge2_EmergencyE
Challenge1_TheSmartCityTemperature.py > ...
N, K, Q = map(int, input().split())
temps = list(map(int, input().split()))
alert = [0] * N
for i in range(N):
for j in range(i + 1, N):
if temps[j] >= temps[i] + K or temps[j] <= temps[i] -
alert[i] = j
break
for _ in range(Q):
parts = input().split()
if parts[0] == "NEXT":
X = int(parts[1])
if alert[X] == 0:
print("No Alert")
else:
print(alert[X])
elif parts[0] == "COUNT":
PROBLEMS
OUTPUT
TERMINAL
powershell
PS D:\codes\PSET3> & D:\SoftwareDownloads\MySql\python.exe d:/codes/PSET3/Cha
ge1_TheSmartCityTemperature.py
8 3 4
73 74 75 71 69 72 76 73
NEXT 0
4
NEXT 3
6
COUNT 0 7
7
COUNT 4 7
3
PS D:\codes\PSET3>

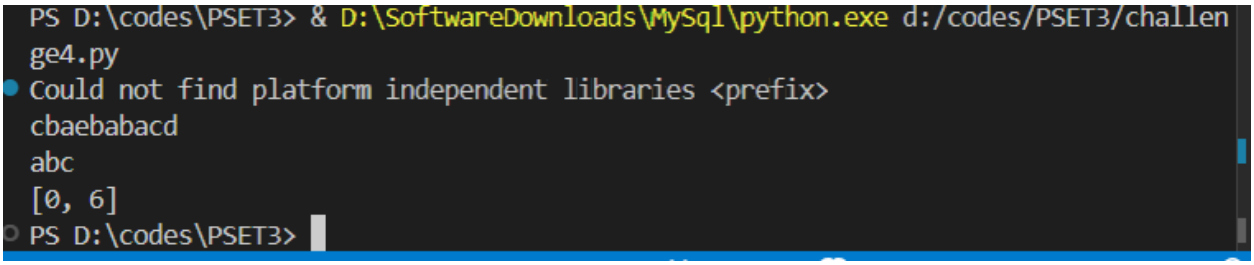
Challenge 2


EXPLORER
PSET3
Challenge1_TheS... U
Challenge2_Emer... U
README.md
martCityTemperature.py U
Challenge2_EmergencyEvacuationBoat.py U
Challenge2_EmergencyEvacuationBoat.py > ...
43
44 min_boats = boats
45
46 print(f"Minimum boats = {min_boats}")
47
48
49 for _ in range(Q):
50 cmd = input().split()
51
52 if cmd[0] == "CANPAIR":
53 x, y = int(cmd[1]), int(cmd[2])
54
55 if x == y:
56 print("No")
57 elif weights[x] + weights[y] > limit:
58 print("No")
59 elif priority[x] == 1 and priority[y] == 1:
60 print("No")
61 else:
PROBLEMS
OUTPUT
TERMINAL
powershell
PS D:\codes\PSET3> & D:\SoftwareDownloads\MySql\python.exe d:/codes/PSET3/Challenge2_EmergencyEvacuationBoat.py
Could not find platform independent libraries <prefix>
6 3 100
30 50 60 40 70 80
1 0 1 0 0 1
Minimum boats = 4
CANPAIR 0 1
Yes
CANPAIR 0 2
No
REMAINING 2
2
PS D:\codes\PSET3>
OUTLINE

Challenge 3



Challenge 4



Challenge 5

```
PS D:\codes\PSET3> & D:\SoftwareDownloads\MySql\python.exe d:/codes/PSET3/Challen
ge5.py
Could not find platform independent libraries <prefix>
babad
bab
PS D:\codes\PSET3>
PS D:\codes\PSET3>
```

Challenge 6

```
PS D:\codes\PSET3> & D:\SoftwareDownloads\MySql\python.exe d:/codes/PSET3/Challe
ge6.py
Could not find platform independent libraries <prefix>
2 1 2 5 3 2
2
PS D:\codes\PSET3>
```