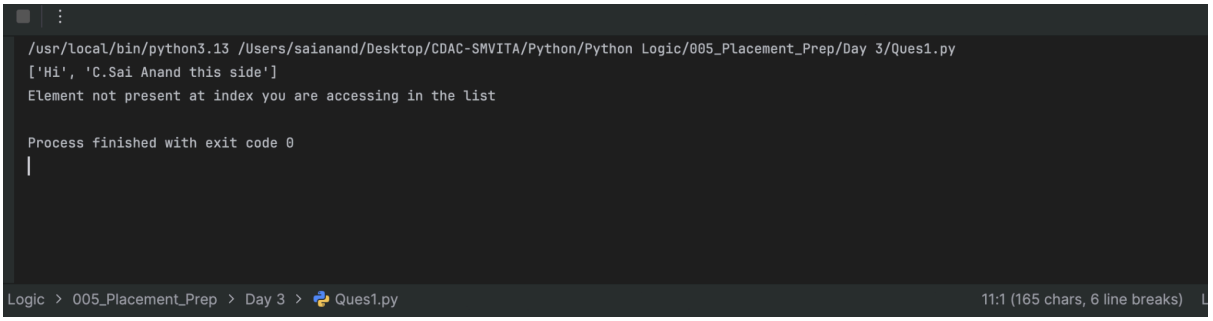
Q1) Write a code to Read a file and append lines to a list.

```
LL = []
with open("Ques1.txt", "r") as file:
    for line in file:
        LL.append(line.strip())

print(LL)
```

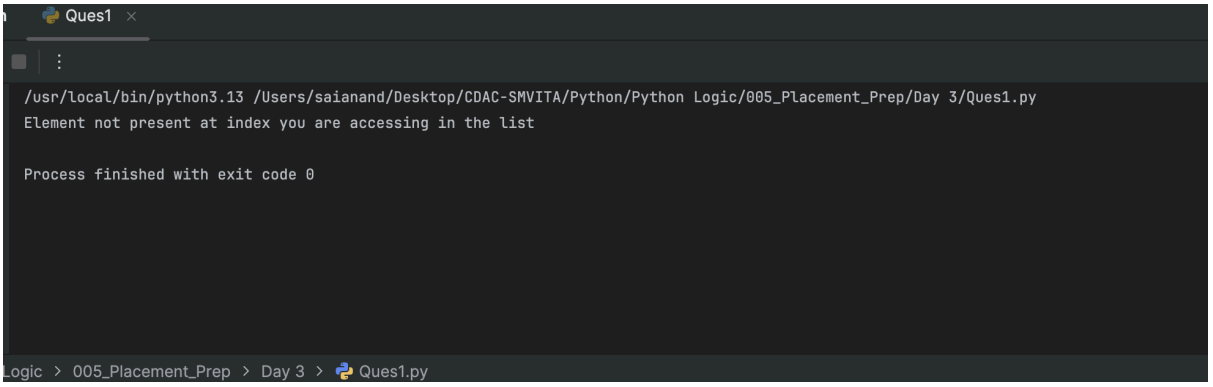


Q2) Write a code to catch an Exception in python?

```
games = ['football','cricket','tt']

try:
    print(games[4])
except IndexError:
    print("Element not present at index you are accessing in the list ")
```

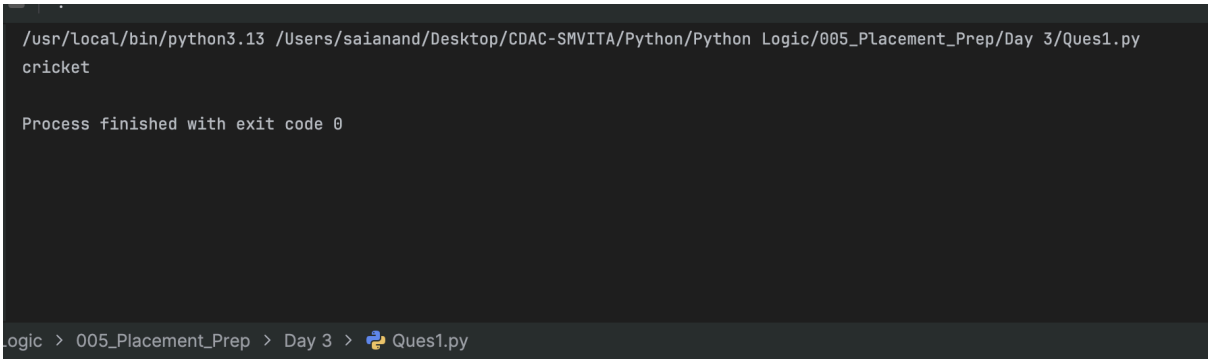
Exception catched



```
games = ['football','cricket','tt']

try:
    print(games[1])
except IndexError:
    print("Element not present at index you are accessing in the list ")
```

NO Exception



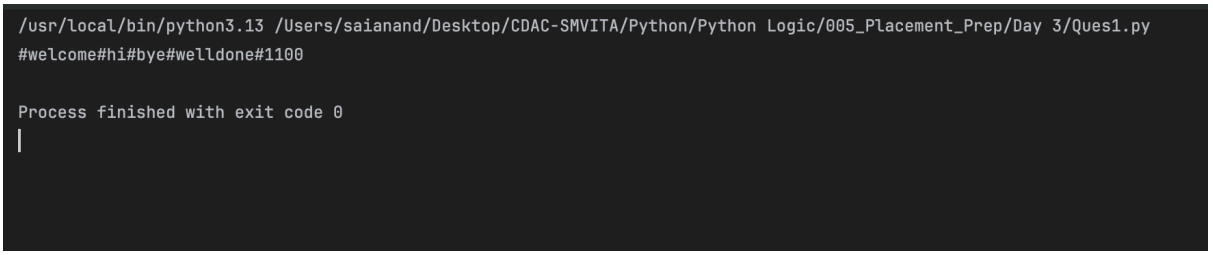
Q3)

```
lst = ['100','welcome','hi','200','300','bye','well done','500']

def merge(lst):
    res= ""
    sum = 0

    for item in lst:
        if item.isdigit():
            sum += int(item)
        else:
            res += "#" + item.replace(" ", "")

    return res + "#" + str(sum)
print(merge(lst))
```



Q4)

```
input_dict = {"x": 5, "y": 15, "z": 25}
sorted_dict = dict(sorted(input_dict.items(), key=lambda x: x[1]))
print("Sorted Dictionary is " ,sorted_dict)
vals = list(sorted_dict.values())
print(vals)
length = len(vals)
dict2 = list(sorted_dict.values())
print(dict2)
sum = dict2[length//2] + dict2[length//2 -1]
print("Sum of middle values is ",sum)
```

```
/usr/local/bin/python3.13 /Users/saianand/Desktop/CDAC-SMVITA/Python/Python Logic/005_Placement_Prep/Day 3/Ques1.py
Sorted Dictionary is  {'x': 5, 'y': 15, 'z': 25}
[5, 15, 25]
[5, 15, 25]
Sum of middle values is  20

Process finished with exit code 0
```