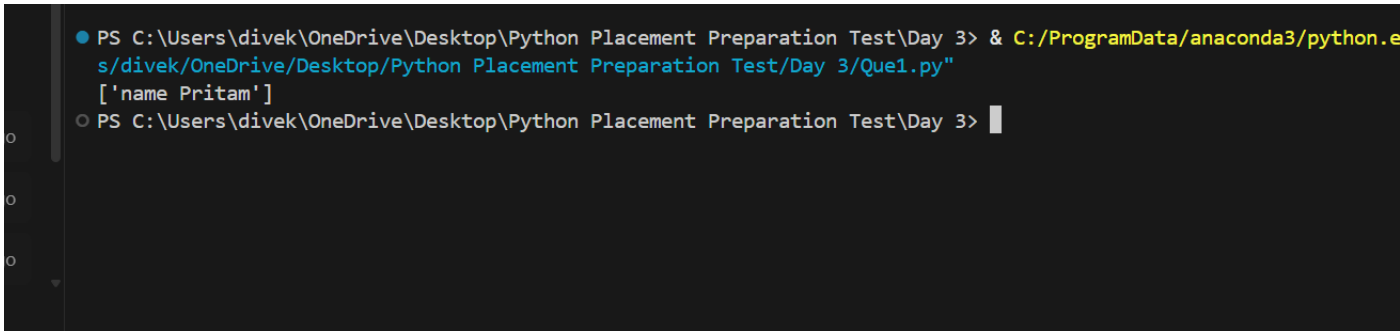
'''Write a code to Read a file and append lines to a list.'''

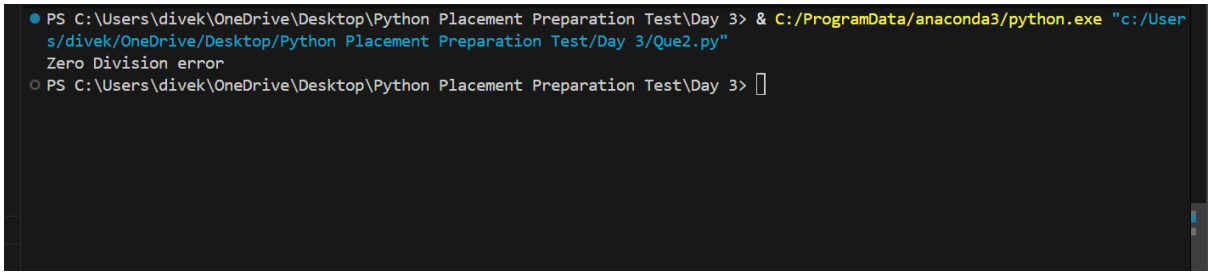
```
lines=[]


with open('text.txt', 'r') as f:
    for line in f:
        lines.append(line)
print(lines)
```



'''Write a code to catch an Exception in python? '''

```
try:
    x=10/0
    print(x)
except ZeroDivisionError:
    print("Zero Division error")
```



'''Write a Python function that accepts a list containing strings and integers.

Merge all string elements using # and add all integer elements.

e.g.

input list is

['100', 'welcome', 'hi', '200', '300', 'bye', 'welldone', '500']

Output should be:

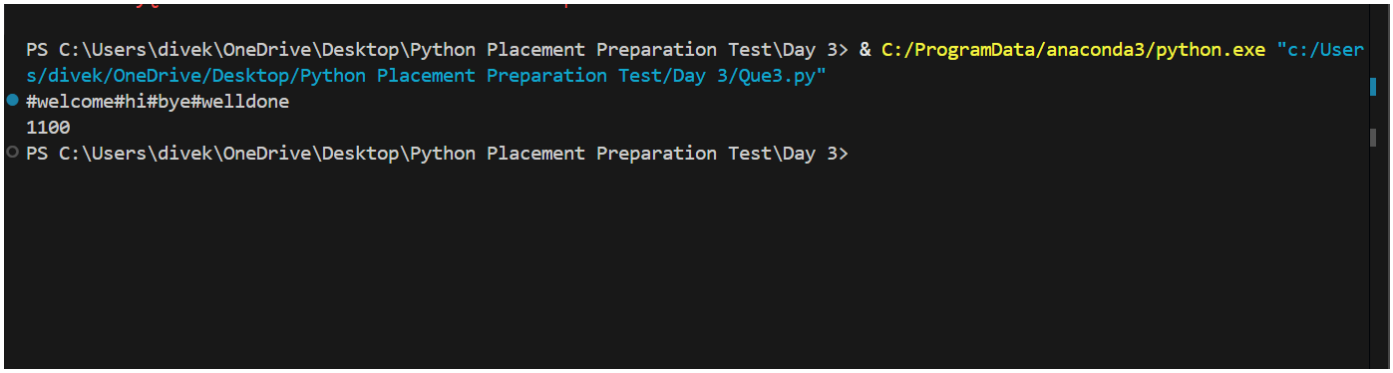
welcome#hi#bye#welldone#

1100

'''

```
li=['100', 'welcome', 'hi', '200', '300', 'bye', 'welldone', '500']
total=0


stri=''
for i in li:
    try:
        total=total+int(i)
    except:
        stri=stri+str('#')+str(i)
print(stri)
print(total)
```



'''Q.4) Write a script to sort a dictionary based on its values and find the sum of middle two values

input_dict = {"x": 5, "y": 15, "z": 25}

Output:

Sorted Dictionary: {'x': 5, 'y': 15, 'z': 25}

Sum of middle two values: 15 + 5 = 20

or

input_dict = {"x": 5, "y": 15, "z": 25,"p":12}

Output:

Sorted Dictionary: {'x': 5, 'p': 12,'y': 15, 'z': 25}

Sum of middle two values: 12 + 15 = 27'''

```
input_dict = {"x": 5, "y": 15, "z": 25}
sorted_items = sorted(input_dict.items(), key=lambda x: x[1])
sorted_dict = dict(sorted_items)
print("Sorted Dictionary:", sorted_dict)
values = list(sorted_dict.values())

if len(values) % 2 == 1:
    m1 = values[0]
    m2 = values[1]
else:
    m1 = values[1]
    m2 = values[2]
sum=m1+m2
print(f"Sum of middle two values:{sum}")
```