Q.1) Write a code to Read a file and append lines to a list.

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```
lst=[]
filee=open("third.py","r")
for line in filee:
    lst.append(line)
print(lst)
```

Q.2) Write a code to catch an Exception in python?

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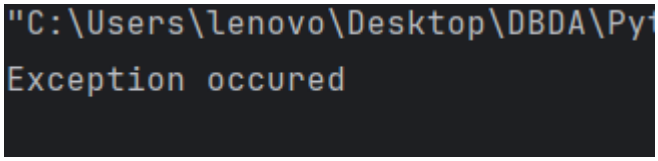
```
try:
    z=10/0
    print(z)
except Exception:
    print("Exception occured")
```



Q.3) 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

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```
def merge(oup):
    strung=""
    inut=0
```

```
    for i in oup:
        if i.isdigit():
            inut+=int(i)
        else:
            strung+=i+"#"
    return strung, inut
inp=['100', 'welcome', 'hi', '200', '300', 'bye', 'welldone', '500']
result=merge(inp)
print(result[0])
print(result[1])
```

```
welcome#hi#bye#welldone#
1100
```

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

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```
input_dict = {"x": 5, "y": 15, "z": 25, "p":12}
duct=dict(sorted(input_dict.items()))
n=len(input_dict)
input_dict1=list(input_dict.values())
val=input_dict1[1]+input_dict1[3]
print("Sorted Dictionary: ",duct)
print("Sum of middle two values= ",val)
```

```
Sorted Dictionary:  {'p': 12, 'x': 5, 'y': 15, 'z': 25}
Sum of middle two values=  27
```