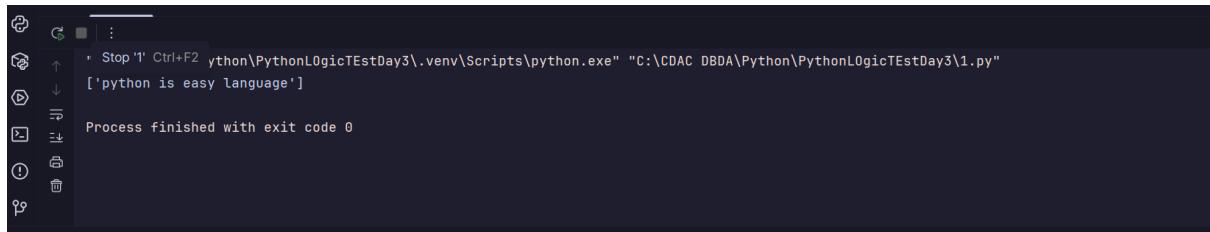"""Q.1) Write a code to Read a file and append lines to a list."""
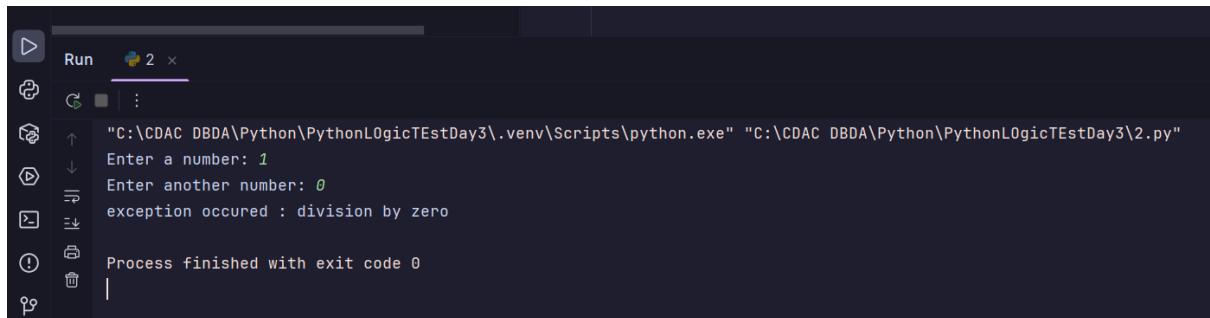lists = []
with open("sample.txt", "r") as f:
    for line in f:
        lists.append(line)
print(lists)


```
 Stop '1' Ctrl+F2  ython\PythonLOgicTEstDay3\.venv\Scripts\python.exe" "C:\CDAC DBDA\Python\PythonLOgicTEstDay3\1.py"
['python is easy language']

Process finished with exit code 0
```

2. " Write a code to catch an Exception in python?"
a= int(input("Enter a number: "))
b= int(input("Enter another number: "))
try:
    a/b
except Exception as e:
    print("exception occured :",e)


```
Run    2 ×

"C:\CDAC DBDA\Python\PythonLOgicTEstDay3\.venv\Scripts\python.exe" "C:\CDAC DBDA\Python\PythonLOgicTEstDay3\2.py"
Enter a number: 1
Enter another number: 0
exception occured : division by zero

Process finished with exit code 0
```

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
"""

def func1():
    list1 = ['100', 'welcome', 'hi', '200', '300', 'bye', 'welldone', '500']

```python
    for item in list1:
        if item.isdigit():
            list1.remove(item)
    z= "#".join(list1)
    print(z)
func1()
```

4.

```python
"""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,"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,"p":12}
sorted_dict = list(sorted(input_dict.values()))
print(sorted_dict)
z = len(sorted_dict)
x = sorted_dict[z//2]
y = sorted_dict[z//2 - 1]
sum1 =x + y
print(sum1)
```

```
"C:\CDAC DBDA\Python\PythonLOgicTEstDay3\.venv\Scripts\python.exe" "C:\CDAC DBDA\Python\PythonLOgicTEstDay3\4.py"
[5, 12, 15, 25]
27

Process finished with exit code 0
```