

"""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)
```



The screenshot shows a Python IDE with a terminal window. The terminal displays the command to run a Python script: `python\PythonLogicTestDay3\.venv\Scripts\python.exe "C:\CDAC DBDA\Python\PythonLogicTestDay3\1.py"`. The output of the script is `['python is easy language']`. Below the command, it says "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 occurred :",e)
```



The screenshot shows a Python IDE with a terminal window. The terminal displays the command to run a Python script: `"C:\CDAC DBDA\Python\PythonLogicTestDay3\.venv\Scripts\python.exe" "C:\CDAC DBDA\Python\PythonLogicTestDay3\2.py"`. The user enters `1` for the first number and `0` for the second number. The output of the script is `exception occurred : division by zero`. Below the command, it says "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']
```

```

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

```



The screenshot shows a Python IDE window titled 'Run' with a file explorer icon on the left. The command prompt shows the execution of a Python script: `"C:\CDAC DBDA\Python\PythonLogicTestDay3\.venv\Scripts\python.exe" "C:\CDAC DBDA\Python\PythonLogicTestDay3\3.py"`. The output of the script is `welcome#hi#300#bye#welldone`. Below the output, it states 'Process finished with exit code 0'.

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, "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)

```



A terminal window with a dark background and light-colored text. On the left side, there is a vertical toolbar with icons for file operations (copy, paste, delete, etc.) and window management. The main area of the terminal displays the following text:

```
"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
```