

Day03- python logic test:

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

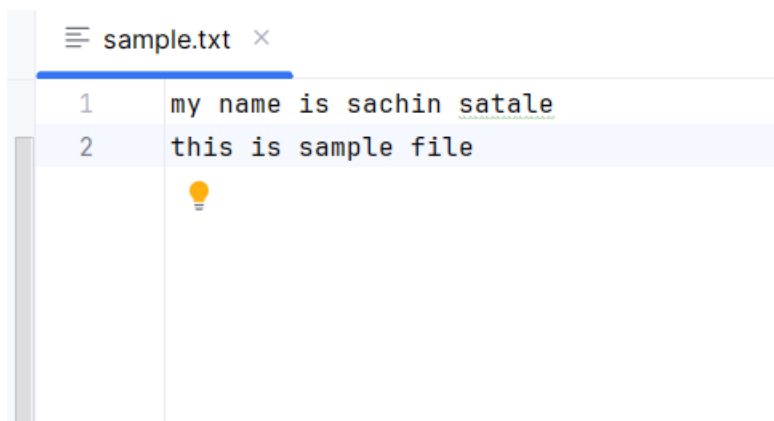
```
mylist=[]
```

```
with open("sample.txt","r")as f:
```

```
    for i in f:
```

```
        mylist.append(i.strip())
```

```
print(mylist)
```



```
['my name is sachin satale', 'this is sample file']
```

```
Process finished with exit code 0
```

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

```
from logging import exception
from traceback import print_stack
```

```
try:
```

```
    num=10/0
```

```
except ZeroDivisionError:
```

```
    print("we cant divide by 0")
```

```
we cant divide by 0
```

```
Process finished with exit code 0
```

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

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

```
string_part=""
```

```
numeric_part=0
```

```
for i in mylist:
```

```
if i.isalpha():  
    string_part=string_part+i+"#"  
else:  
    numeric_part=numeric_part+int(i)  
print(string_part)  
print(numeric_part)
```

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

```
1100
```

```
Process finished with exit code 0
```