

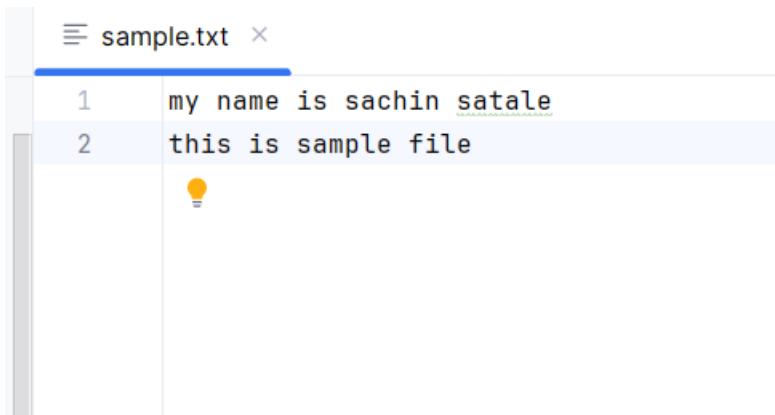
## Day03- python logic test:

# 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)
```



The screenshot shows a code editor window with a single file named "sample.txt". The file contains two lines of text: "my name is sachin satale" and "this is sample file". The file is currently open and visible in the editor.

```
['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
```