

# USING PYTHON

## 1. PROGRAMME TO READ FILE BY LINE

```
431
432 file = open("practice.txt", "rt")
433 line1 = file.readline()
434 print(line1,end = "")
435 line2 = file.readline()
436 print(line2)
437 file.close()
438
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
/usr/local/bin/python3 /Users/ujjwalkumar/project/frstprogram.py
● ujjwalkumar@Ujjwals-MacBook-Air project % /usr/local/bin/python3 /Users/ujjwalkumar/project/frstprogram.py
2,5,4,1,64,34,13,4254,54
○ ujjwalkumar@Ujjwals-MacBook-Air project %
```

## 2. PROGRAMME TO FIND A WORD IN FILE

```
461
462 def check_for_word(word):
463     with open("practice.txt", "r") as f:
464         data = f.readline()
465         if(word in data):
466             print("found")
467         else:
468             print("Not Found")
469
470 word = input("enter word:")
471 check_for_word(word)
472
473
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
/usr/local/bin/python3 /Users/ujjwalkumar/project/frstprogram.py
• ujjwalkumar@Ujjwals-MacBook-Air project % /usr/local/bin/python3 /Users/ujjwalkumar/project/frstprogram.py
enter word:new
Not Found
○ ujjwalkumar@Ujjwals-MacBook-Air project %
```

### 3. PROGRAMME TO FIND WORD WITH LINE NO.

```
491 ✓ def check_for_line(word):
492     data = True
493     line_no = 1
494 ✓     with open("practice.txt", "r") as f:
495 ✓         while data:
496             data = f.readline()
497 ✓             if(word in data):
498                 print(f"Found at line {line_no}")
499                 return
500             line_no += 1
501     return -1
502
503 word = input("Enter word: ")
504 check_for_line(word)
505
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
/usr/local/bin/python3 /Users/ujjwalkumar/project/frstprogram.py
● ujjwalkumar@Ujjwals-MacBook-Air project % /usr/local/bin/python3 /Users/ujjwalkumar/project/frstprogram.py
Enter word: 2
Found at line 1
○ ujjwalkumar@Ujjwals-MacBook-Air project %
```

## 4. PROGRAMME TO CALCULATE COUNT OF VALUES IN FILE

```
506 count = 0
507 with open("practice.txt", "r") as f:
508     data = f.read()
509     print(data)
510
511     num = data.split(",")
512     print(num)
513     for value in num:
514         if(int(value) % 2 == 0):
515             count += 1
516 print(count)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
/usr/local/bin/python3 /Users/ujjwalkumar/project/frstprogram.py
● ujjwalkumar@Ujjwals-MacBook-Air project % /usr/local/bin/python3 /Users/ujjwalkumar/project/frstprogram.py
2,5,4,1,64,34,13,4254,54
['2', '5', '4', '1', '64', '34', '13', '4254', '54']
6
○ ujjwalkumar@Ujjwals-MacBook-Air project %
```