

Python day 3

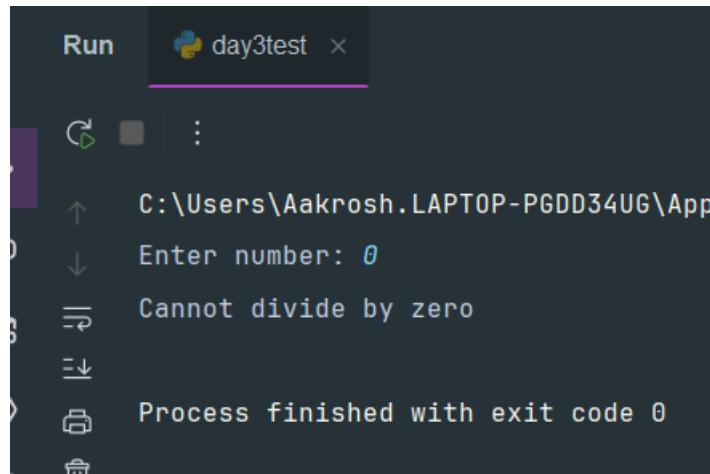
#Answer 1

```
list = []

with open("sample.txt", "r") as f:
    for line in f:
        list.append(line.strip())
```

Answer 2

```
try:
    a = int(input("Enter number: "))
    print(10 / a)
except ZeroDivisionError:
    print("Cannot divide by zero")
except ValueError:
    print("Invalid input")
```



```
Run  day3test ×

C:\Users\Aakrosh.LAPTOP-PGDD34UG\AppData\Local\Temp\day3test\day3test.py:2: division by zero
  print(10 / a)
               ^
Process finished with exit code 0
```

#Answer 3

```
def process_list(lst):
    str = ""
    intsum = 0
    for item in lst:
        if item.isdigit():
            intsum += int(item)
        else:
            str += item + "#"
    return str, intsum

lst = ['100', 'welcome', 'hi', '200', '300', 'bye', 'welldone', '500']
print(*process_list(lst), sep="\n")
```

Python day 3

```
↑ C:\Users\Aakrosh.LAPTOP-PGDD34UG\AppData\Local\Programs\Pyt
↓ welcome#hi#bye#welldone#
→ 1100
←
→ Process finished with exit code 0
←
```

#Answer 4

```
def middle(d):
    sort = sorted(d.items(), key=lambda x: x[1])
    values = [v for k, v in sort]
    n = len(values)

    print("Sorted Dictionary:", dict(sort))

    if n == 1:
        print("Sum =", values[0] * 2)
    elif n % 2 == 0:
        print("Sum =", values[n//2 - 1] + values[n//2])
    else:
        print("Sum =", values[n//2] * 2)

dt = {"i":15,"j":65,"k":35,"l":52}
middle(dt)
```

```
Run day3test ×

↻ : 

↑ C:\Users\Aakrosh.LAPTOP-PGDD34UG\AppData\Local\Programs\Python\Python
↓ Sorted Dictionary: {'i': 15, 'k': 35, 'l': 52, 'j': 65}
→ Sum = 87
←
→ Process finished with exit code 0
←
```