## Aim:

Write and execute a Python program to count the number of words in a file.

### Input format:
 • The input should be filename.

### Output format:
 • The output should be number of words in that file.

**Note:** Consider file1.txt, file2.txt as the input file names.

### Aim:
 • To create a Python program that counts the number of words in a file.

### Algorithm:
Step 1: Define a function named count_words(filename) that takes a filename as input.
Step 2: Open the file specified by filename in read mode using a context manager (with statement).
Step 3: Read the content of the file and split it into words using the split() method.
Step 4: Return the number of words.
Step 5: Handle the FileNotFoundError exception by printing "File not found" and returning -1.
Step 6: Accept a filename input from the user.
Step 7: Call the count_words() function with the input filename.
Step 8: Print the word count if it's greater than or equal to 0.
Step 9: End the program.

## Source Code:

**wordCount.py**

```
a=input()
b=open(a,"r")
n=b.read()
w=n.split()
print(len(w))
```

**file1.txt**

```
CodeTantra Start your coding in 60 mins
```

**file2.txt**

```
hello there lets start coding in python programming language
```

**input1.txt**

```
sun and moon
```

### input2.txt

where there is a will there is a way

### input3.txt

count the number of words in this file

## Execution Results - All test cases have succeeded!

| Test Case - 1 |
|---|
| User Output |
| file1.txt |
| 7 |

| Test Case - 2 |
|---|
| User Output |
| file2.txt |
| 9 |