```python
# 1.Write a Python program that takes a text file as input and returns
the number of words of a given text file.


def word_count(file_name):
    with open(file_name, 'r') as f:
        words = f.read().split()
        return len(words)


def main():
    file_name = input('Enter the file name: ')
    print(word_count(file_name))


main()

# 2.Write a Python program to generate 26 text files named A.txt,
B.txt, and so on up to Z.txt


import os

path = "files"

if not os.path.exists(path):
    os.makedirs(path)


def main():
    for i in range(1, 27):
        with open(os.path.join(path, f'{chr(i + 64)}.txt'), 'w') as f:
            f.write(f'{chr(i + 64)}')


if __name__ == '__main__':
    main()
    os.system('pause')
    exit(0)

# 3.Write a Python program to count the number of lines in a text file


def count_lines(file_name):
    with open(file_name, 'r') as f:
        count = 0
        for _ in f:
            count += 1
        return count
```

```python
print(count_lines('2.py'))

# 4.Write a Python program to read an entire text file.


def read_file(filename):
    with open(filename, 'r') as f:
        print(f.read())


read_file('test.txt')
```