1. Program to read an entire text file

```python
def file_read(fname):
 txt = open(fname)
 print(txt.read())
file_read('abc.txt')
```

Output:-

Python Exercises

Java Exercises

2. Program to append the text to file and to display the text

```python
def file_read(fname):
 from itertools import islice
 with open(fname, "w") as myfile:
 myfile.write("Python Exercises\n")
 myfile.write("Java Exercises")
 txt = open(fname)
 print(txt.read())
file_read('abc.txt')
```

Output:-

Python Exercises

Java Exercises

3. Program to read a file line by line and to store in a variable

```python
def file_read(fname):
 with open (fname, "r") as myfile:
 data=myfile.readlines()
 print(data)
```

file_read('abc.txt')

Output:-

['Python Exercises\n', 'Java Exercises']

4. Python program to find longest word in a file

```python
def longest_word(filename):
 with open(filename, 'r') as infile:
 words = infile.read().split()
 max_len = len(max(words, key=len))
 return [word for word in words if len(word) == max_len]
print(longest_word('abc.txt'))
```

Output:-

['Exercises', 'Exercises']

5. Program to count the number of lines in a text file

```python
def file_lengthy(fname):
 with open(fname) as f:
 for i, l in enumerate(f):
 pass
 return i + 1
print("Number of lines in the file: ",file_lengthy("abc.txt"))
```

Output:-

Number of lines in the file: 2