

Philip Pesic

Week 16

December 5 2022

Week 16 Q9

1) How many steps to write to a file

5 Steps

2) How many steps to read from a file

5 Steps

3) What new data types are found in the library <fstream>

ifstream(Inputting from a file)

ofstream(outputting to a file)

4) What is eof()

eof() stands for “end of file,” which is used inputting everything until the end of the file

5) How do you write a string to a file

```
Ofstream fout;
```

```
fout.open(“file.txt”);
```

```
Cout << “Enter string: ”;
```

```
Cin >> string;
```

```
Fout << string;
```

```
fout.close();
```

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6) How do you write a char to a file

```
Ofstream fout;
```

```
fout.open("file.txt");
```

```
Cout << "Enter character: ";
```

```
Cin >> char;
```

```
Fout << char;
```

```
fout.close();
```

7) How do you write a line to a file

```
Ofstream fout;
```

```
fout.open("file.txt");
```

```
Cout << "Enter line: ";
```

```
Cin >> line;
```

```
Fout << line;
```

```
fout.close();
```

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8) Do you think reading and writing files is common in computer programs ?

Reading and writing to files seems fundamental to programming. Developing any sort of complex or functional program would be impossible without it.

9) Do you think reading one word at a time, from a text file(s) of words

is the best method to read from that file, or should you read one character at a time, or should you read one line at a time from that file ?

The answer depends on the contents of any given file. Some may benefit from any form of file reading, but reading by line is generally the most widely used and efficient way to read files. For this example, reading by words would be the best method of reading, since each word is individual.