C and C++ files

**FILE** \*fp;  
fp=**fopen**(“filename”, ”‘mode”);

mode – refers to the operation that will be performed on the file. Example: r, w, a, r+, w+ and a+.

**fclose**(fp);

<https://www.guru99.com/c-file-input-output.html>

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|  | **C** | C**++**  <https://www.w3schools.com/cpp/cpp_files.asp> |
| Header | #include<stdio.h> | #include<iostream>  #include<fstream> |
| Creating a file | FILE fp\*; | fstream file;  ifstream file;  ofstream file; |
| Opening a file | fp=**fopen**(“filename”, ”‘mode”); | ofstream file("filename.txt");  file. open(("filename.txt”) ;)  ofstream = file. write ()  ifstream = file. read () |
| Closing a file | fclose(fp); | file. close () |
| Writing on to file | fp = fopen ("/tmp/test.txt", "w+");  fprintf (fp, "This is testing for fprintf...\n");  fputs ("This is testing for fputs...\n", fp); | File << “writing”; |
| Reading a file | char buff [255];  fp = fopen ("/tmp/test.txt", "r");  fscanf (fp, "%s", buff);  printf ("1: %s\n", buff);  fgets (buff, 255, (FILE\*) fp); | file. read((char\*) &sizeof(s));  s. putstu ();  or  string myText;  ifstream MyReadFile("filename.txt");  // Use a while loop together with the getline () function to read the file line by line  while (getline (MyReadFile, myText)) {  // Output the text from the file  cout << myText; |
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