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C++ program to create a file

Difficulty Level : Medium • Last Updated : 28 Sep, 2018

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Problem Statement: Write a C++ program to create a file using file handling and check whether the file is created successfully or not. If a file is created successfully then it should print "File Created Successfully" otherwise should print some error message.

Approach: Declare a stream class file and open that text file in writing mode. If the file is not present then it creates a new text file. Now check if the file does not exist or not created then return false otherwise return true.

Below is the program to create a file:

```
// C++ implementation to create a file
#include <bits/stdc++.h>
using namespace std;

// Driver code
int main()
{
    // fstream is Stream class to both
    // read and write from/to files.
    // file is object of fstream class
    fstream file;

    // opening file "Gfg.txt"
    // in out(write) mode
    // ios::out Open for output operations.
    file.open("Gfg.txt",ios::out);

    // If no file is created, then
    // show the error message.
    if(!file)
    {
        cout<<"Error in creating file!!!";
        return 0;
    }
}
```

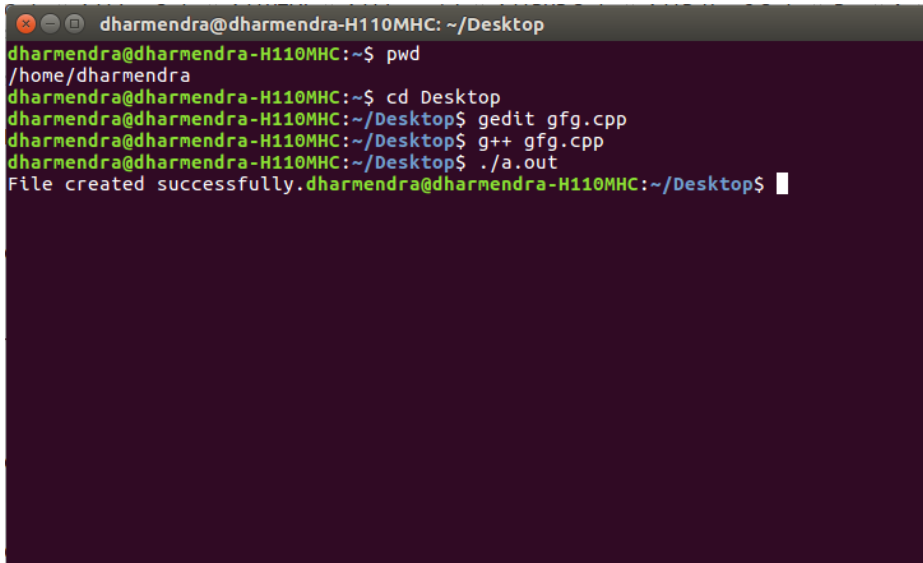
```
}

cout<<"File created successfully.";

// closing the file.
// The reason you need to call close()
// at the end of the loop is that trying
// to open a new file without closing the
// first file will fail.
file.close();

return 0;
}
```

Output:

A terminal window with a dark purple background. The title bar reads 'dharmendra@dharmendra-H110MHC: ~/Desktop'. The terminal shows the following commands and output:

```
dharmendra@dharmendra-H110MHC:~$ pwd
/home/dharmendra
dharmendra@dharmendra-H110MHC:~$ cd Desktop
dharmendra@dharmendra-H110MHC:~/Desktop$ gedit gfg.cpp
dharmendra@dharmendra-H110MHC:~/Desktop$ g++ gfg.cpp
dharmendra@dharmendra-H110MHC:~/Desktop$ ./a.out
File created successfully.dharmendra@dharmendra-H110MHC:~/Desktop$
```

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