FILE HANDLING TASK 2

```cpp
1    #include <iostream>
2    #include <fstream>
3
4    using namespace std;
5
6  int main() {
7
8        ofstream outfile;
9
10
11       outfile.open("output.txt");
12
13
14  if (outfile.is_open()) {
15
16           outfile << "line 1: writing to a file in C++.\n";
17           outfile << "line 2: File handling is essential for data manipulation.\n";
18
19
20           outfile.close();
21
22           cout << "File 'output.txt' created and text written successfully." << endl;
23       } else {
24           cout << "Unable to open the file 'output.txt'." << endl;
25       }
26
27       return 0;
28  }
29
```

```
C:\ C:\Users\hp\Desktop\file han    X    +    v

File 'output.txt' created and text written successfully.


----------------------------------

Process exited after 0.1033 seconds with return value 0
Press any key to continue . . .
```

FILE HANDLING TASK 3

```cpp
[*] strawberry.cpp   file handling task 1.cpp   [*] Untitled3   file handling task 2.cpp
1      #include <iostream>
2      #include <fstream>
3
4      using namespace std;
5
6      void logActivity(const string& activity) {
7          ofstream outfile("UserLog.txt", ios::app);
8          if (outfile) outfile << activity << endl;
9          else cerr << "Error: Unable to open file for writing." << endl;
10     }
11
12     void displayLog() {
13         ifstream infile("UserLog.txt");
14         if (infile) {
15             string line;
16             while (getline(infile, line)) cout << line << endl;
17         } else cerr << "Error: Unable to open file for reading." << endl;
18     }
19
20     int main() {
21         logActivity("user 'john' logged in.");
22         logActivity("user 'jane' accessed the dashboard.");
23         logActivity("user 'bob' performed a file operation.");
24         cout << "Displaying the logged user activities:" << endl;
25         displayLog();
26         return 0;
27     }
28
```

```
C:\Users\hp\Desktop\file han    X    +    ∨

Displaying the logged user activities:
user 'john' logged in.
user 'jane' accessed the dashboard.
user 'bob' performed a file operation.
user 'john' logged in.
user 'jane' accessed the dashboard.
user 'bob' performed a file operation.

--------------------------------
Process exited after 0.1693 seconds with return value 0
Press any key to continue . . .
```

FILE HANDLING TASK 1

```cpp
#include <iostream>
#include <fstream>

using namespace std;

int main() {

    ofstream outfile;


    outfile.open("filename.txt");


    if (outfile.is_open()) {

        outfile << "This is a sample file.\n";
        outfile << "line 1: Hello, world!\n";
        outfile << "line 2: File handling in C++\n";


        outfile.close();

        cout << "File 'filename.txt' created and text written successfully." << endl;
    } else {
        cout << "Unable to open the file 'filename.txt'." << endl;
    }

    return 0;
}
```

C:\Users\hp\Desktop\file han

```
File 'filename.txt' created and text written successfully.

---------------------------------
Process exited after 0.1021 seconds with return value 0
Press any key to continue . . .
```