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ANSWERS

1. `#include <iostream>`

`#include <fstream>`

`namespace std;`

`int main() {`

`ofstream writeFile;`

`writeFile.open("text.txt");`

`if (writeFile.is_open()) {`

`writeFile << "Hello World!"<<endl;`

`writeFile.close();`

`} else {`

`cout << "Error" << endl;`

`}`

`return 0;`

`}`

Ofstream writefile , `writeFile.open("text.txt")` . This line of code used to write a file whereby r content will be written on it but `writeFile.close()` used to close write mode of file handling

If(`writeFile.is_open()`) used to check if the file created and `writeFile<<"Hello world"` , it write content on the file

```

2. #include <iostream>

#include <fstream>

using namespace std;

int main() {
ifstream readFile;
readFile.open("text.txt");
if (readFile.is_open()) {
string line;
cout << "Content of text.txt:"<<endl;
while (getline(readFile, line)) {
cout << line <<endl;
}
readFile.close();

} else {

cout << "Error opening file" << endl;
}

return 0;
}

```

The line of code below read from exist file “text.txt” file

```
ifstream readFile;
```

```
    readFile.open("text.txt")
```

and the content read from that file store on the variable “line “ whereby it displayed on the screen “ cout << line <<endl; “

```
3. #include <iostream>

#include <fstream>

using namespace std;

int main() {

    ofstream writeFile;

    writeFile.open("text.txt");

    if (writeFile.is_open())

    {

        writeFile << "Hello World!"<<endl;

        writeFile.close();

    } else {

        cout << "Error" << endl;

    }

    ifstream readFile;

    readFile.open("text.txt");

    if (readFile.is_open())//check error

    {

        string line;

        cout << "Content of text.txt:"<<endl;

        while (getline(readFile, line)) {

            cout << line <<endl;

        }

        readFile.close();

    } else {

        cout << "Error opening file" << endl;

    }

    return 0;
```

```
}
```

Both `if(writeFile.is_open())` and `if(readFile.is_open())` line of code use to check if there's error while handling file such that if there's error , this line code “ `cout << "Error opening file" << endl;`” executed to show that the program fails to write or read a file