LAB 16
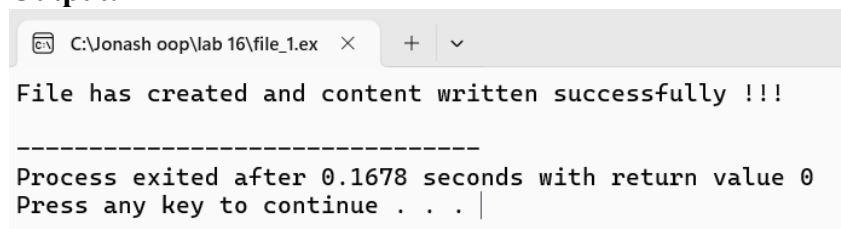
1. WAP to create a file in write mode and write the content.

```
#include <iostream>
#include <fstream>
using namespace std;
int main()
{
    ofstream aa("cpp.txt");
    aa << "Hello, this is a sample for creating a file in write mode.\n";
    aa << "This file is created using C++." << endl;
    aa << "Have a nice day" << endl;
    aa.close();
    cout << "File has created and content written successfully !!!" << endl;
    return 0;
}
```
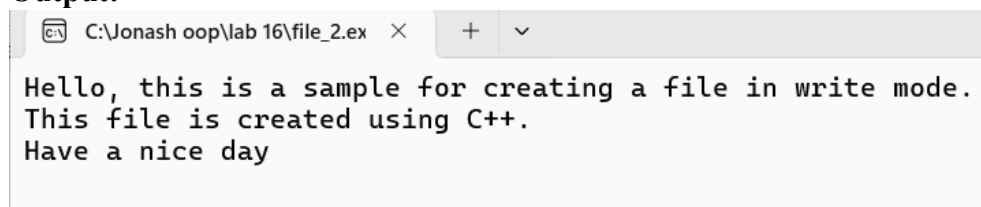
Output:

```
C:\Jonash oop\lab 16\file_1.ex    X    +    v

File has created and content written successfully !!!

--------------------------------
Process exited after 0.1678 seconds with return value 0
Press any key to continue . . .
```

2. WAP to open file in read mode and read the content of file and display in console.

```
#include <iostream>
#include <fstream>
#include <string>
using namespace std;
int main()
{
    ifstream bb("cpp.txt");
    if (bb.is_open())
    {
        string read;
        while (bb.eof() == 0) // or while(!bb.eof())
        {
            getline(bb, read);
            cout << read << endl;
        }
    }
    else
        cout << "Unable to open file." << endl;
    return 0;
}
```
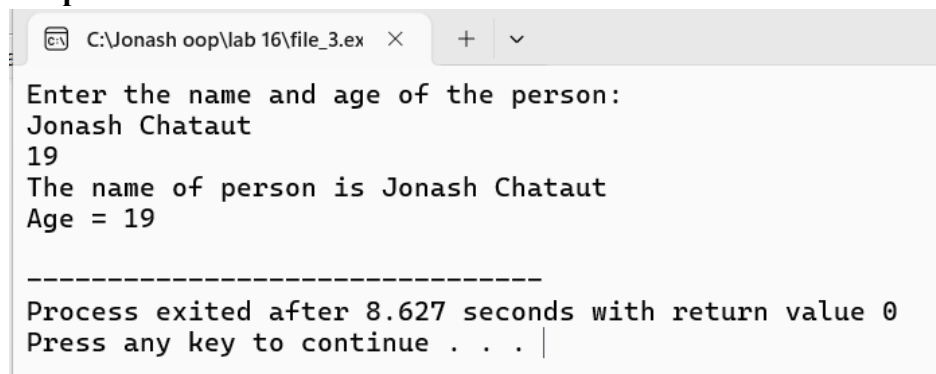
Output:

```
C:\Jonash oop\lab 16\file_2.ex    X    +    v

Hello, this is a sample for creating a file in write mode.
This file is created using C++.
Have a nice day
```

LAB 16

3. WAP to input data from user and write it in file. Also display content of file in console.

```cpp
#include <iostream>
#include <fstream>
#include <string>
using namespace std;
int main()
{
    string name;
    int age;
    cout << "Enter the name and age of the person:" << endl;
    getline(cin, name);
    cin >> age;
    ofstream ww;
    ww.open(("details.txt"));
    ww << "The name of person is " << name << endl
       << "Age = " << age;
    ww.close();
    ifstream rr;
    rr.open(("details.txt"));
    string read;
    while (rr.eof() == 0)
    {
        getline(rr, read);
        cout << read << endl;
    }
    rr.close();
    return 0;
}
```

Output:

```
C:\Jonash oop\lab 16\file_3.ex

Enter the name and age of the person:
Jonash Chataut
19
The name of person is Jonash Chataut
Age = 19

--------------------------------
Process exited after 8.627 seconds with return value 0
Press any key to continue . . .
```