Q1. Write a C++ Program to write data into the file?

Ifstream : input (read)
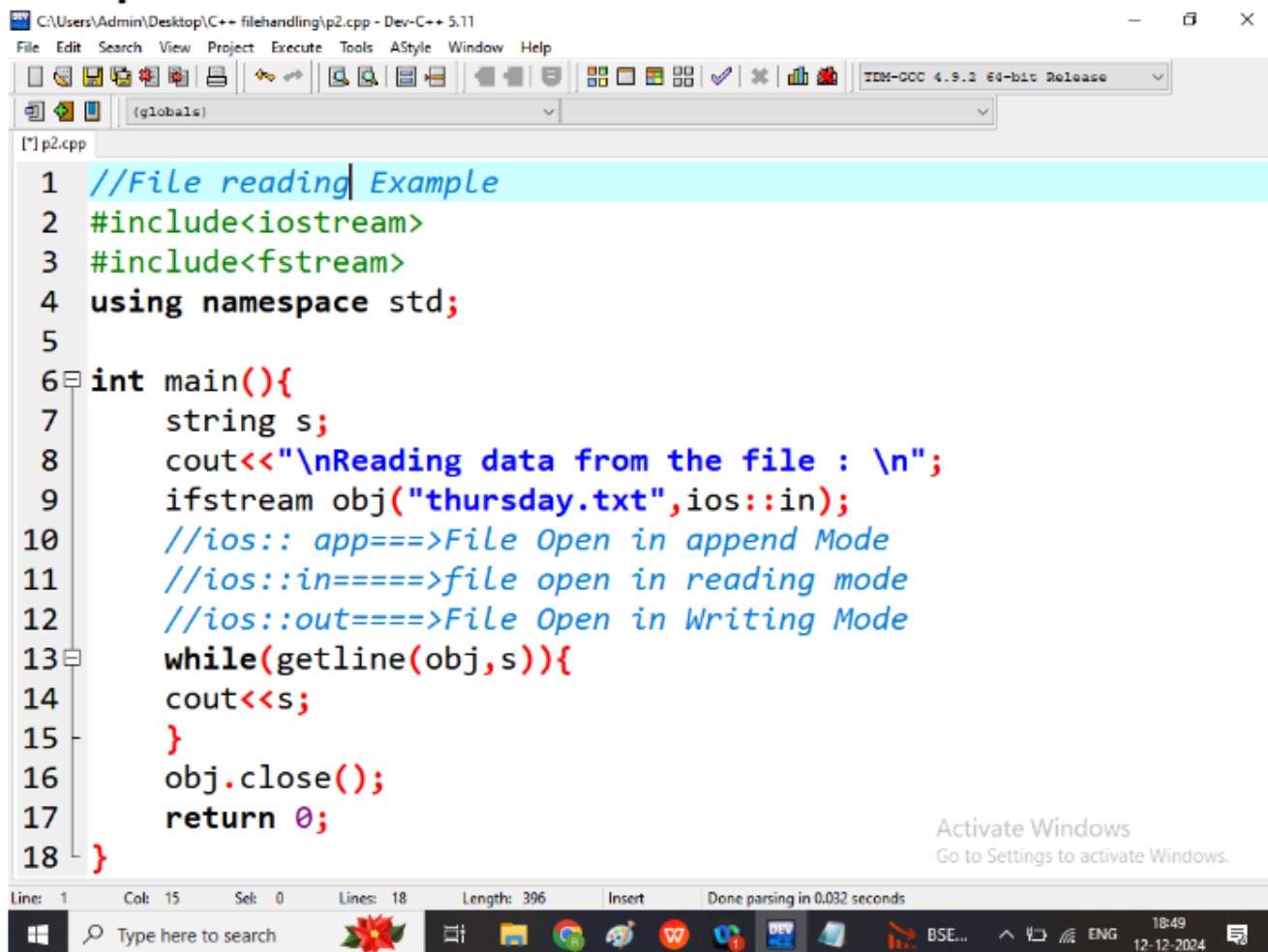**Ofstream** : output(write)
fstream: input & output

Step1: Create file class Object
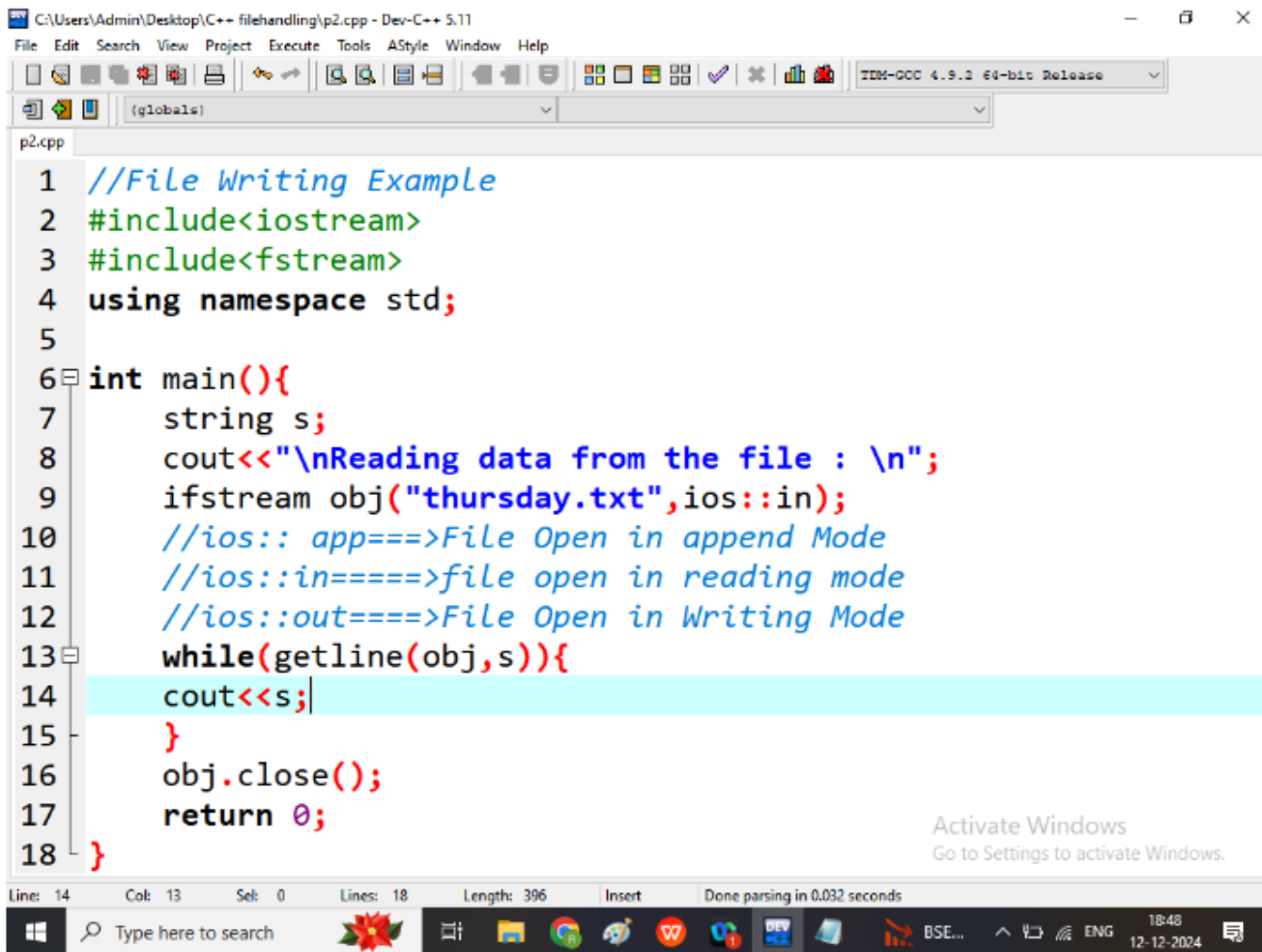Step2: Write data into file
Step3: close the file

File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

TDM-GCC 4.9.2 64-bit Release

(globals)

[*] p2.cpp

```cpp
1  //File reading Example
2  #include<iostream>
3  #include<fstream>
4  using namespace std;
5
6  int main(){
7      string s;
8      cout<<"\nReading data from the file : \n";
9      ifstream obj("thursday.txt",ios::in);
10     //ios:: app===>File Open in append Mode
11     //ios::in=====>file open in reading mode
12     //ios::out====>File Open in Writing Mode
13     while(getline(obj,s)){
14     cout<<s;
15     }
16     obj.close();
17     return 0;
18  }
```

Activate Windows
Go to Settings to activate Windows.

Line: 1   Col: 15   Sel: 0   Lines: 18   Length: 396   Insert   Done parsing in 0.032 seconds

Type here to search

BSE...

18:49
12-12-2024

```cpp
1  //File Writing Example
2  #include<iostream>
3  #include<fstream>
4  using namespace std;
5
6  int main(){
7      string s;
8      cout<<"\nReading data from the file : \n";
9      ifstream obj("thursday.txt",ios::in);
10     //ios:: app===>File Open in append Mode
11     //ios::in=====>file open in reading mode
12     //ios::out====>File Open in Writing Mode
13     while(getline(obj,s)){
14     cout<<s;
15     }
16     obj.close();
17     return 0;
18  }
```

Q2. Write a C++ Program to write and read object from the file?

class Student{
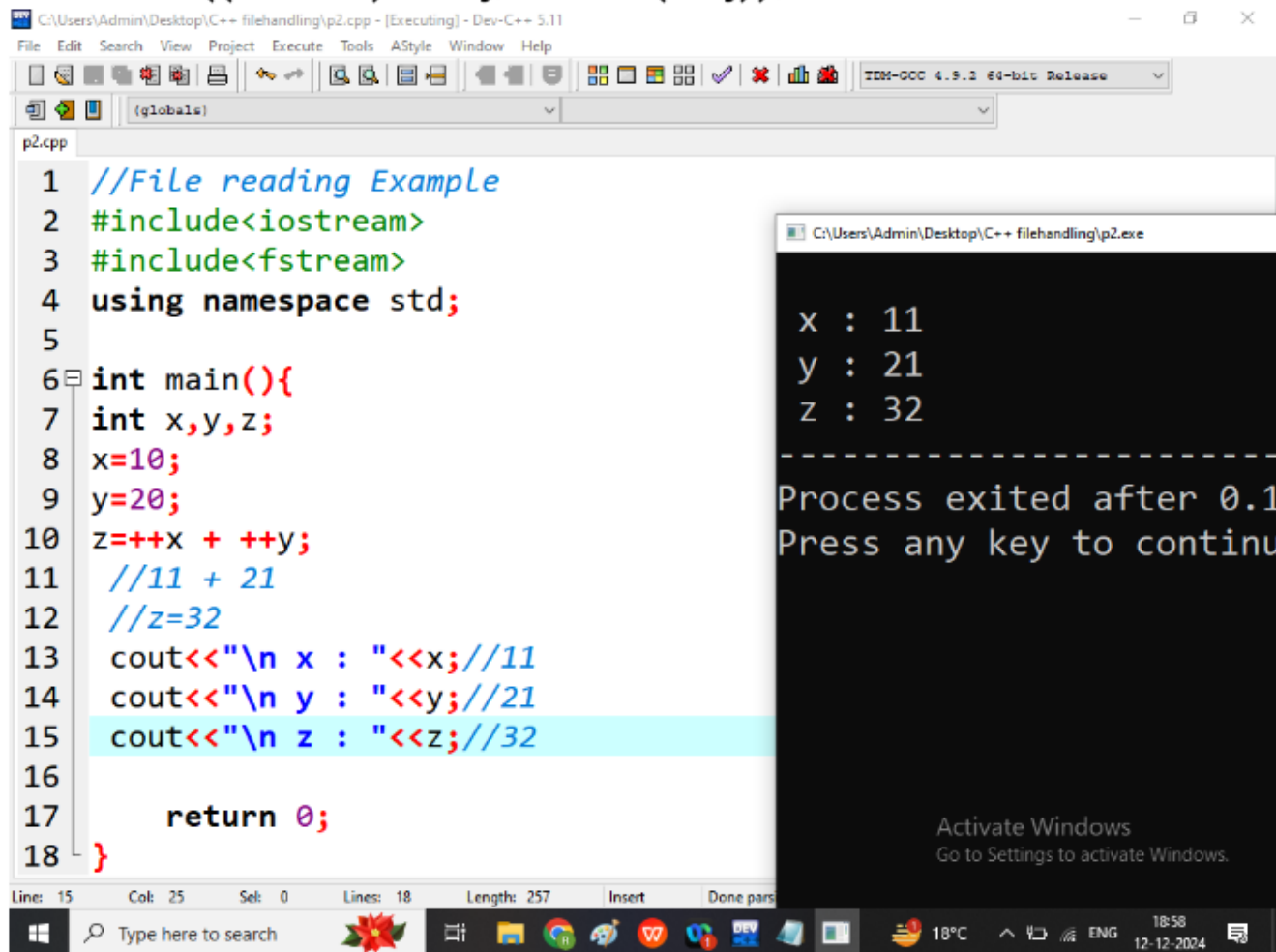string name;
string enroll;
int rollno;
float per;

```
};
```

//To write object into the file
```
file.write((char *)&obj,sizeof(obj));
//To Read Object from the file
file.read((char *)&obj,sizeof(obj));
```

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

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p2.cpp

```cpp
1   //File reading Example
2   #include<iostream>
3   #include<fstream>
4   using namespace std;
5
6   int main(){
7   int x,y,z;
8   x=10;
9   y=20;
10  z=++x + ++y;
11   //11 + 21
12   //z=32
13   cout<<"\n x : "<<x;//11
14   cout<<"\n y : "<<y;//21
15   cout<<"\n z : "<<z;//32
16
17      return 0;
18  }
```

C:\Users\Admin\Desktop\C++ filehandling\p2.exe

```
x : 11
y : 21
z : 32
-------------------
Process exited after 0.1
Press any key to continu
```

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Type here to search

18°C   ENG   18:58 12-12-2024