task1.cpp

```cpp
//task_01.
#include <iostream>
#include <fstream>
using namespace std;
int main () {
    string name;
    int a,b;
    cout<<"\nEnter your name :";
    cin>>name;
    cout<<"Enter ICT marks :";
    cin>>a;
    cout<<"Enter Programming marks :";
    cin>>b;
    float obtain,per;
    int total;
    obtain=a+b;
    total=200;
    per=obtain/200.0*100;
    cout<<"Obtained marks :"<<obtain<<endl;
    cout<<"Total marks :"<<total<<endl;
    cout<<"Percentage :"<<per<<endl;
    ofstream MywriteFile(name+".txt",ios::app);
    cout<<"Your file has been created";
    MywriteFile.close();
}
```
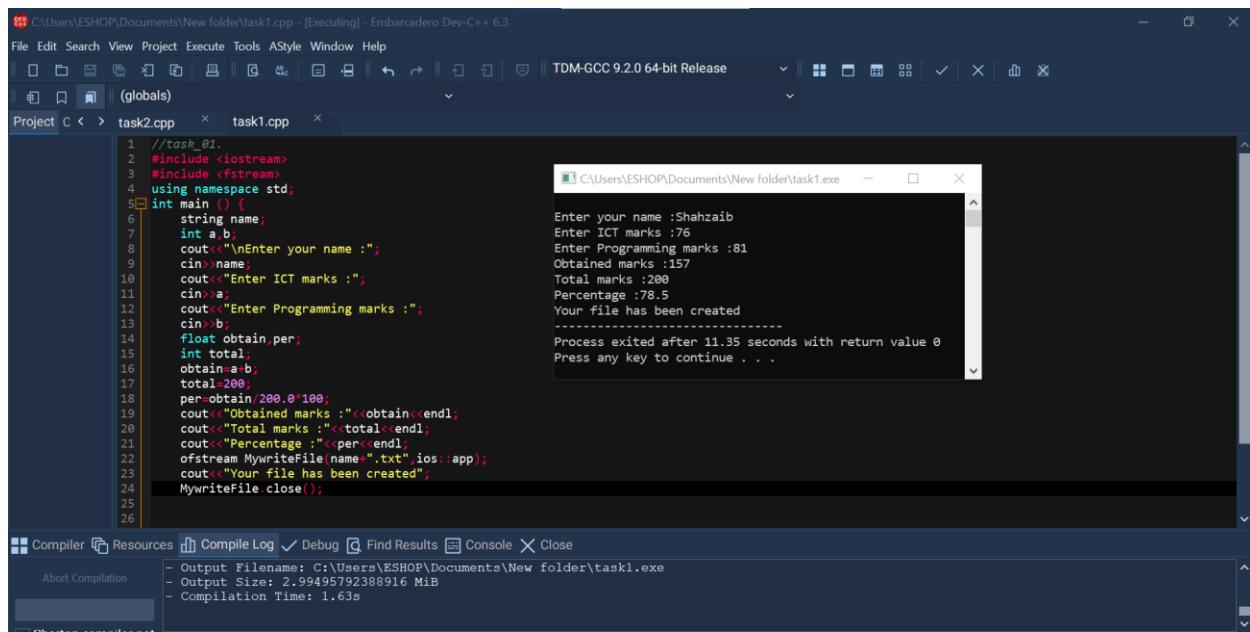
task1.exe output

```
Enter your name :Shahzaib
Enter ICT marks :76
Enter Programming marks :81
Obtained marks :157
Total marks :200
Percentage :78.5
Your file has been created
-------------------------------
Process exited after 11.35 seconds with return value 0
Press any key to continue . . .
```

Compile Log:
```
- Output Filename: C:\Users\ESHOP\Documents\New folder\task1.exe
- Output Size: 2.99495792388916 MiB
- Compilation Time: 1.63s
```

---

task2.cpp

```cpp
//task_02.
#include <iostream>
#include <fstream>
using namespace std;
int main (){
    for(int i=1;i<=5;i++){
    string name;
    int a,b;
    cout<<"\nEnter your name :";
    cin>>name;
    cout<<"Enter ICT marks :";
    cin>>a;
    cout<<"Enter Programming marks :";
    cin>>b;
    float obtain,per;
    int total;
    obtain=a+b;
    total=200;
    per=obtain/200.0*100;
    cout<<"Obtained marks :"<<obtain<<endl;
    cout<<"Total marks :"<<total<<endl;
    cout<<"Percentage :"<<per<<endl;
    ofstream MywriteFile(name+".txt",ios::app);
    cout<<"Your file has been created";
    MywriteFile.close();
    }
    return 0;
}
```

task2.exe output

```
Enter your name :Shahzaib
Enter ICT marks :76
Enter Programming marks :45
Your obtained marks are :121
Your marks total marks :200
Percentage :60.5
Your file has been created
Enter your name :awais
Enter ICT marks :34
Enter Programming marks :56
Your obtained marks are :90
Your marks total marks :200
Percentage :45
Your file has been created
Enter your name :ibrar
Enter ICT marks :36
Enter Programming marks :98
Your obtained marks are :134
Your marks total marks :200
Percentage :67
Your file has been created
Enter your name :ali
Enter ICT marks :12
Enter Programming marks :45
Your obtained marks are :57
Your marks total marks :200
Percentage :28.5
Your file has been created
Enter your name :numair
Enter ICT marks :98
Enter Programming marks :87
Your obtained marks are :185
Your marks total marks :200
Percentage :92.5
Your file has been created
-------------------------------
```
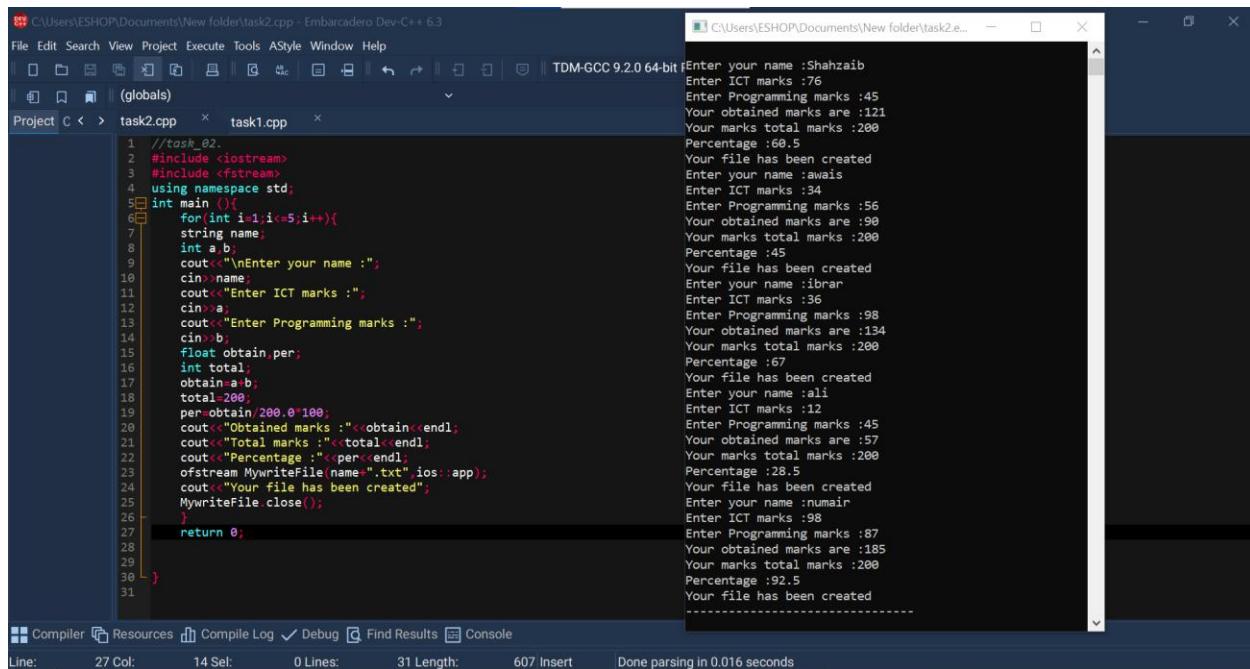
Line: 27 Col: 14 Sel: 0 Lines: 31 Length: 607 Insert Done parsing in 0.016 seconds

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 9.2.0 64-bit Release

Project C task2.cpp task1.cpp task3.cpp [*] Untitled3

```cpp
//Task_03
#include <iostream>
#include <Fstream>
using namespace std;
int main(){
    fstream Readfile("Anonymous.txt",ios::in);
    string name;
    cout<<"Enter your name :";
    cin>>name;
    string data="";
    while(getline(Readfile,data))
    {
        cout<<data<<endl;
    }


    return 0;
}
```

C:\Users\ESHOP\Documents\New folder\task3.exe

```
Enter your name :Shahzaib

Iam the student of Ai at aror university.
Iam in section B.
execution of the code should end here.

--------------------------------
Process exited after 4.863 seconds with return value 0
Press any key to continue . . .
```

Compiler (1)   Resources   Compile Log   Debug   Find Results   Console   Close

```
- Output Filename: C:\Users\ESHOP\Documents\New folder\task3.exe
- Output Size: 2.99828433990479 MiB
- Compilation Time: 1.67s
```

Abort Compilation

Shorten compiler pat

Line: 20 Col: 2 Sel: 0 Lines: 20 Length: 293 Insert   Done parsing in 0.047 seconds

---

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 9.2.0 64-bit Release

Project C task2.cpp task1.cpp task3.cpp [*] taskfour.cpp

```cpp
//Task_04
#include <iostream>
#include <Fstream>
using namespace std;
int power(int base,int exponent){
    if(exponent==0){
        return base;
    }
    else{
        return base*power(base,exponent-1);
    }
}
int main() {
    int base,exponent;
    cout<<"Enter base: ";
    cin>>base;
    cout<<"Enter power: ";
    cin>>exponent;
    cout<<"\nBase: "<<base<<"\nPower: "<<exponent<<"\nResult: "<<power(base,exponent);

    ofstream MyWriteFile("xyz.txt",ios::app);
    MyWriteFile<<"\nBase: "<<base<<"\nPower: "<<exponent<<"\nResult: "<<power(base,exponent)<<"\n******This is system generated sheet*******";
    cout<<"\nYour data is saved into your file";
    MyWriteFile.close();
}
```

C:\Users\ESHOP\Documents\New folder\taskfour.exe

```
Base: 2
Power: 4
Result: 32
Your data is saved into your file
--------------------------------
Process exited after 10.63 seconds with return value 0
Press any key to continue . . .
```

Compiler (3)   Resources   Compile Log   Debug   Find Results   Console   Close

```
- Output Filename: C:\Users\ESHOP\Documents\New folder\taskfour.exe
- Output Size: 2.98906993865967 MiB
- Compilation Time: 1.38s
```

Abort Compilation

Shorten compiler pat

Line: 1 Col: 3 Sel: 0 Lines: 27 Length: 653 Insert   Done parsing in 0.032 seconds

File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

TDM-GCC 9.2.0 64-bit Release

(globals)

Project   C   <   >   task5.cpp   ×   task6.cpp   ×

```cpp
1    //Task_05.
2    #include <iostream>
3    #include <Fstream>
4    using namespace std;
5    int main(){
6            fstream Readfile("MCQS.txt",ios::in);
7
8            string info="";
9            while(getline(Readfile,info))
10           {
11           cout<<info<<endl;
12
13           }
14
15
16
17
18       return 0;
19    }
```

C:\Users\ESHOP\Documents\New folder\task5.exe

```
Q1.Which one is the national animal of pakistan ?
a.Lion
b.Elephant
c.Markhor
d.tiger
Q2.Longest river in pakistan ?
a.Indus
b.Jehlum
c.Chenab
d.Ravi
Q3.Who is the founder of pakistan ?
a.Muhammad ali jinnah
b.liaquat ali khan
c.Chris hemsworth
d.Mount batten
Q4.Highest mountain peak in pakistan ?
a.K2
b.Mount everest
c.Nanga parvat
d.Rakaposhi
Q5.Which city is the capital of pakistan ?
a.karachi
b.khairpur
c.Aror
d.Sukkur
--------------------------------
Process exited after 0.128 seconds with return value 0
Press any key to continue . . .
```

Compiler   Resources   Compile Log   ✓ Debug   C Find Results   Console   × Clc

Abort Compilation

- Output Filename: C:\Users\ESHOP\Documents\New fo
- Output Size: 2.99779605865479 MiB
- Compilation Time: 1.22s

☐ Shorten compiler pat

Line: 19 Col: 2 Sel: 0 Lines: 19 Length: 250 Insert   Done parsing in 0.031 seconds

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 9.2.0 64-bit Release

(globals)

Project C < >   task5.cpp   task6.cpp

C:\Users\ESHOP\Documents\New folder\task6.exe

```cpp
//Task_06.
#include <iostream>
#include<fstream>
using namespace std;
int main(){
ifstream ReadFile("num_identification.txt",ios::in);
ofstream writeFile("even.txt");
string data;
while(getline(ReadFile,data)){
int num = stoi (data); //stoi converts string to integer.
    if(num%2==0){
    cout<<num<<endl;
    writeFile<<num<<endl;
    }
}
ReadFile.close();
writeFile.close();
return 0;

}
```

```
2
4
6
8
10
12
14
16
18
20
22
24
26
28
------------------------------
Process exited after 0.1252 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Console Close

Abort Compilation

- Output Filename: C:\Users\ESHOP\Documents\New folder\task6.
- Output Size: 2.99832439422607 MiB
- Compilation Time: 1.20s

Shorten compiler pat

Line: 1 Col: 1 Sel: 0 Lines: 20 Length: 437 Insert   Done parsing in 0.031 seconds