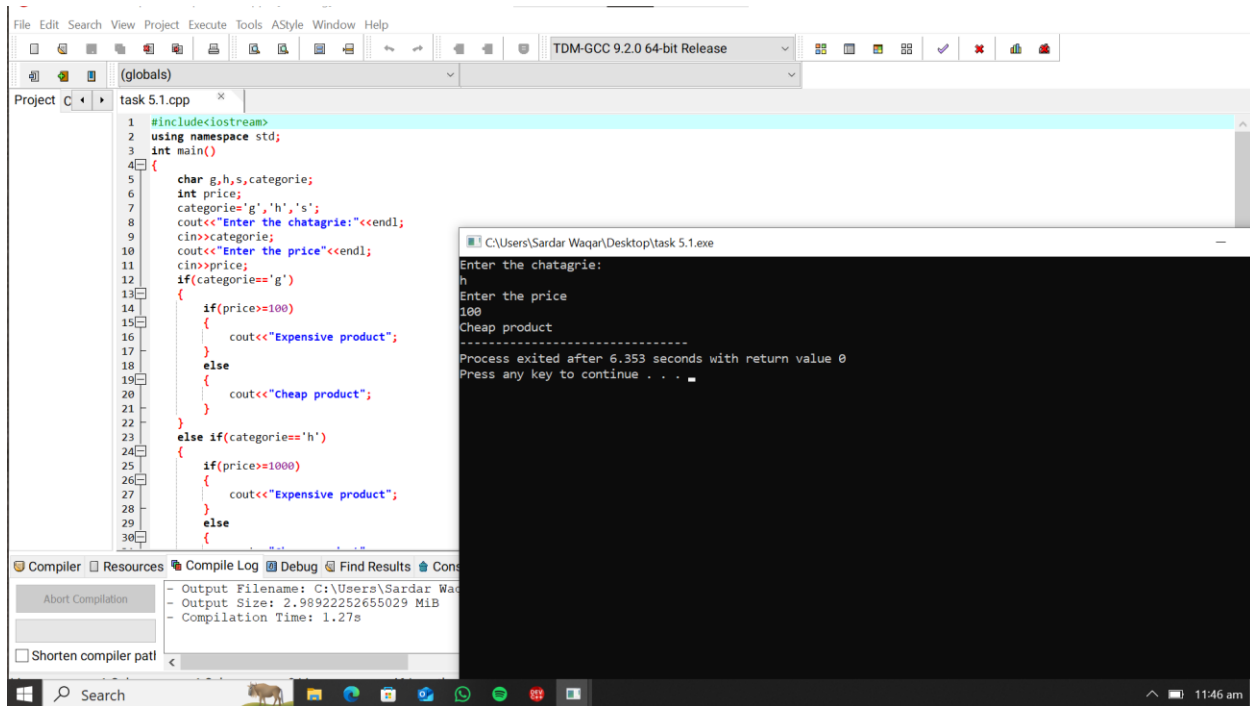


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TASK:1



```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     char g,h,s,category;
6     int price;
7     categorie='g','h','s';
8     cout<<"Enter the chatagrie:"<<endl;
9     cin>>category;
10    cout<<"Enter the price"<<endl;
11    cin>>price;
12    if(category=='g')
13    {
14        if(price>=100)
15        {
16            cout<<"Expensive product";
17        }
18        else
19        {
20            cout<<"Cheap product";
21        }
22    }
23    else if(category=='h')
24    {
25        if(price>=1000)
26        {
27            cout<<"Expensive product";
28        }
29        else
30        {
31            cout<<"Cheap product";
32        }
33    }
34    else if(category=='s')
35    {
36        if(price>=100)
37        {
38            cout<<"Expensive product";
39        }
40        else
41        {
42            cout<<"Cheap product";
43        }
44    }
45 }
```

Compiler - Resources - Compile Log - Debug - Find Results - Console

Output Filename: C:\Users\Sardar Waqar\Desktop\task 5.1.exe
Output Size: 2.98922252655029 MiB
Compilation Time: 1.27s

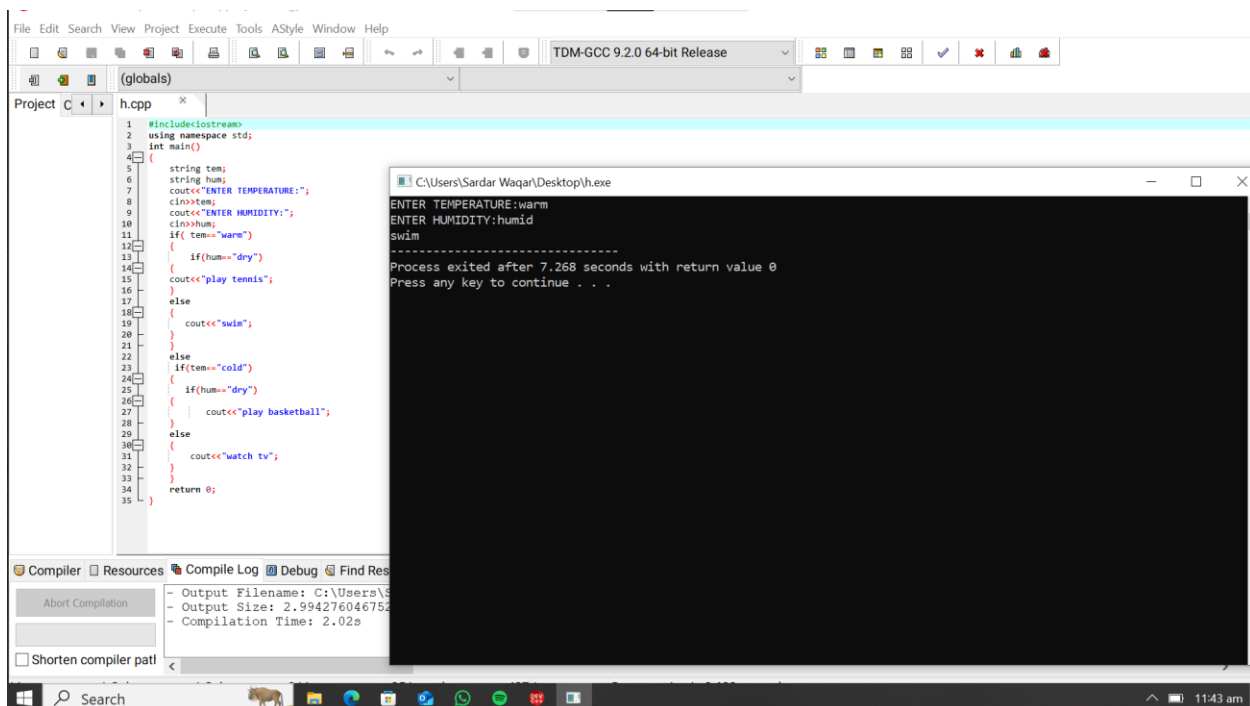
Shorten compiler path

C:\Users\Sardar Waqar\Desktop\task 5.1.exe

Enter the chatagrie:
h
Enter the price
100
Cheap product

Process exited after 6.353 seconds with return value 0
Press any key to continue . . .

TASK:2



```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     string tem;
6     string hum;
7     cout<<"ENTER TEMPERATURE:";
8     cin>>tem;
9     cout<<"ENTER HUMIDITY:";
10    cin>>hum;
11    if(tem=="warm")
12    {
13        if(hum=="dry")
14        {
15            cout<<"play tennis";
16        }
17        else
18        {
19            cout<<"swim";
20        }
21    }
22    else if(tem=="cold")
23    {
24        if(hum=="dry")
25        {
26            cout<<"play basketball";
27        }
28        else
29        {
30            cout<<"watch tv";
31        }
32    }
33    return 0;
34 }
```

Compiler - Resources - Compile Log - Debug - Find Results - Console

Output Filename: C:\Users\Sardar Waqar\Desktop\h.exe
Output Size: 2.994276046752 MiB
Compilation Time: 2.02s

Shorten compiler path

C:\Users\Sardar Waqar\Desktop\h.exe

ENTER TEMPERATURE:warm
ENTER HUMIDITY:humid
swim

Process exited after 7.268 seconds with return value 0
Press any key to continue . . .

TASK:3

```
#include<iostream>
using namespace std;
int main()
{
    char service;
    int amount,d,w,t,deposit,transfer,withdraw,totalamount;
    totalamount=10000;
    cout<<"press t to transfer\npress d to deposit\npress w to withdraw" <<endl;
    cin>>service;
    cout<<"enter the amount:";
    cin>>amount;
    switch(service)
    {
        case 't':
            deposit=(0.5*amount)/100;
            totalamount+=deposit;
            cout<<"remaining deposit:"<<deposit<<endl;
            cout<<"remaining amount:"<<totalamount<<endl;
            break;
        case 'w':
            withdraw=(1.5*amount)/100;
            totalamount-=withdraw;
            cout<<"remaining withdraw:"<<withdraw<<endl;
            cout<<"remaining amount:"<<totalamount<<endl;
            break;
        case 'd':
            withdraw=(2.5*amount)/100;
            totalamount+=transfer;
            cout<<"remaining transfer:"<<transfer<<endl;
            cout<<"remaining amount:"<<totalamount<<endl;
            break;
        default:
            cout<<"insufficient balance:"<<endl;
            break;
    }
    return 0;
}
```

```
press t to transfer
press d to deposit
press w to withdraw
t
enter the amount:5000
remaining withdraw:75
remaining amount:9925

-----
Process exited after 12.69 seconds with return value 0
Press any key to continue . . .
```

TASK:4

```
#include<iostream>
using namespace std;
int main()
{
    char num;
    cout<<"enter number frome 1 to 3:";
    cin>>num;
    switch(num)
    {
        case '1':
            cout<<"alpha";
            break;
        case '2':
            cout<<"beta";
            break;
        case '3':
            cout<<"gamma";
            break;
        default:
            cout<<"no result";
    }
    return 0;
}
```

```
enter number frome 1 to 3:7
no result

-----
Process exited after 3.435 seconds with return value 0
Press any key to continue . . .
```