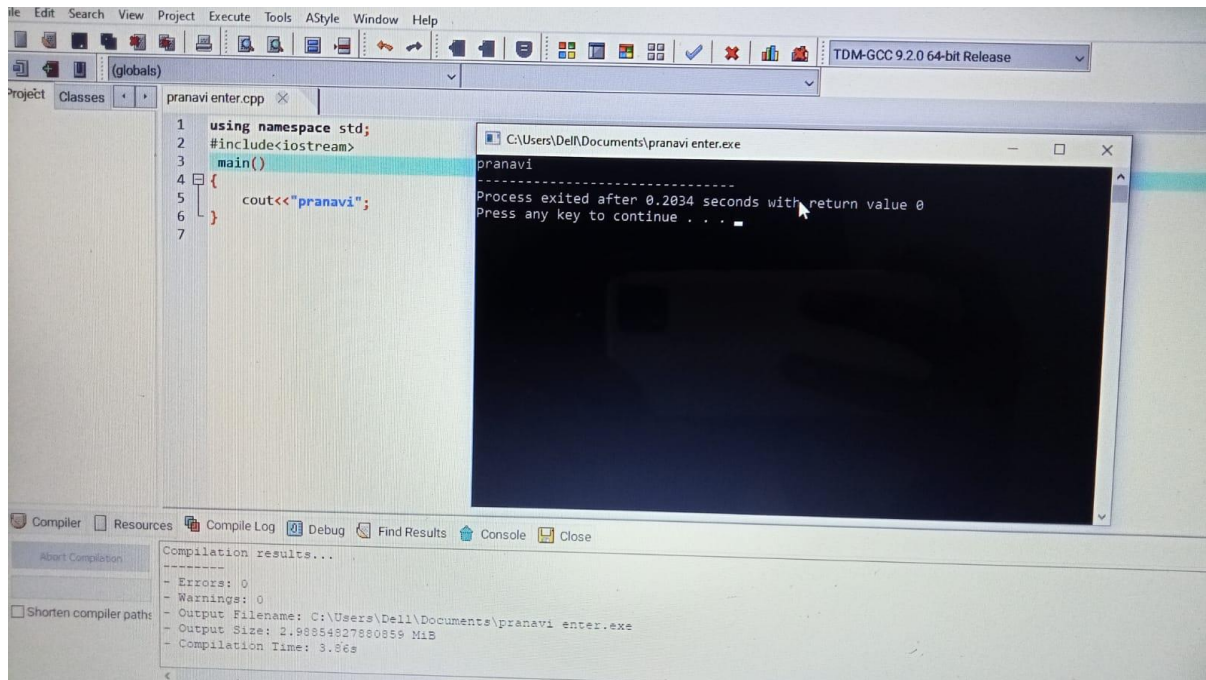


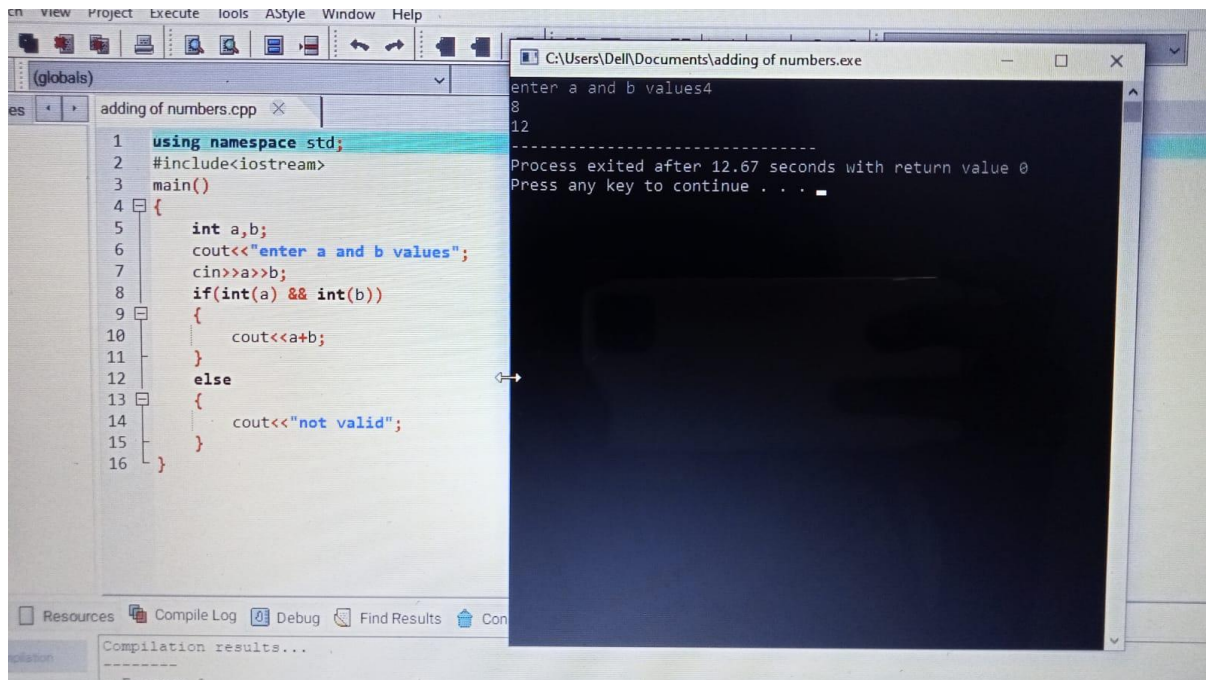
1. Write the c++ program to enter the name?

PROGRAM:



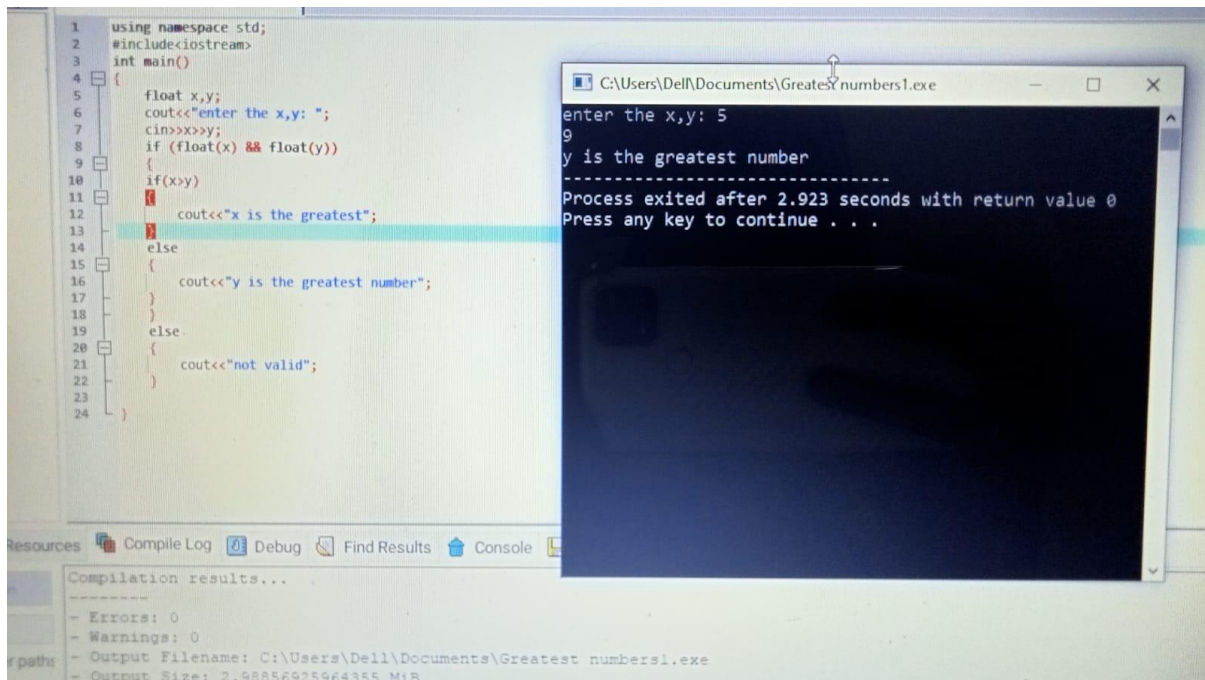
2. Write c++ program to add two numbers?

PROGRAM:



3. Write c++ program to find the biggest of two numbers?

PROGRAM:



```
1 using namespace std;
2 #include<iostream>
3 int main()
4 {
5     float x,y;
6     cout<<"enter the x,y: ";
7     cin>>x>>y;
8     if (float(x) && float(y))
9     {
10        if(x>y)
11        {
12            cout<<"x is the greatest";
13        }
14        else
15        {
16            cout<<"y is the greatest number";
17        }
18    }
19    else
20    {
21        cout<<"not valid";
22    }
23 }
24 }
```

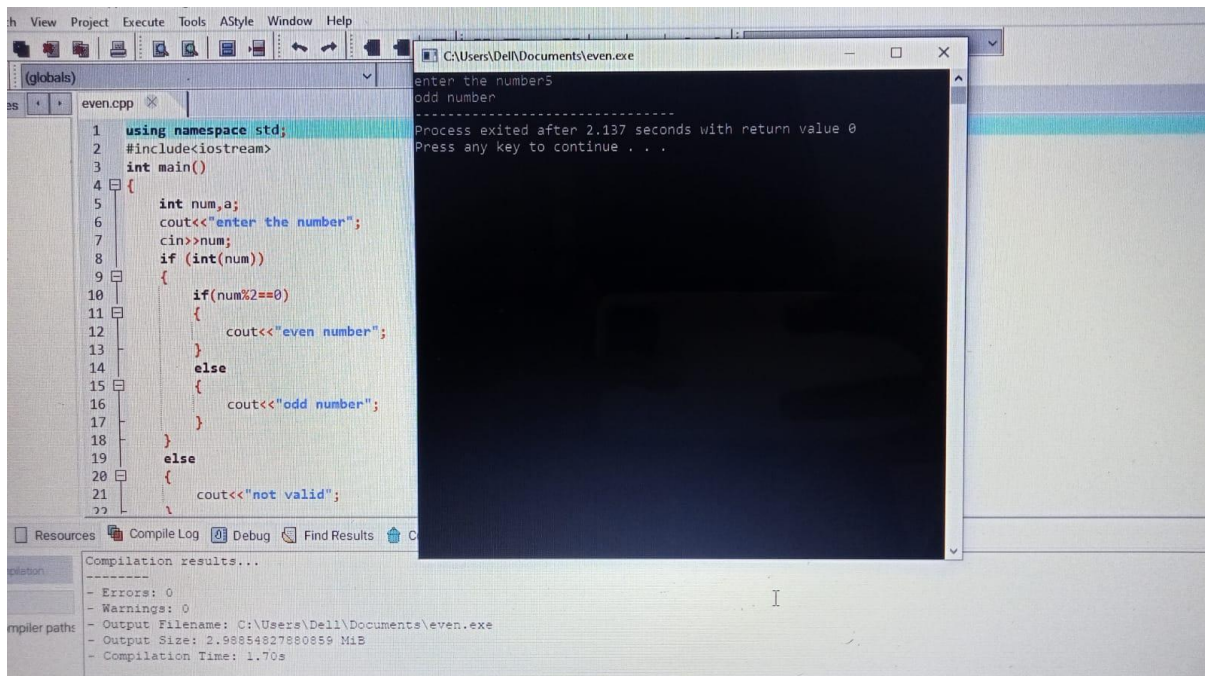
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Del1\Documents\Greatest numbers1.exe
- Output Size: 2.98856925964355 MiB

Process exited after 2.923 seconds with return value 0
Press any key to continue . . .

4. Write the c++ program to find the given number is even or odd number?

PROGRAM:



```
1 using namespace std;
2 #include<iostream>
3 int main()
4 {
5     int num,a;
6     cout<<"enter the number";
7     cin>>num;
8     if (int(num))
9     {
10        if(num%2==0)
11        {
12            cout<<"even number";
13        }
14        else
15        {
16            cout<<"odd number";
17        }
18    }
19    else
20    {
21        cout<<"not valid";
22    }
23 }
24 }
```

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Del1\Documents\even.exe
- Output Size: 2.98854827880859 MiB
- Compilation Time: 1.70s

Process exited after 2.137 seconds with return value 0
Press any key to continue . . .

5. Write the c++ program to find the person is eligible for the vote?

PROGRAM:

The screenshot shows a C++ IDE with a file named 'eligible.cpp'. The code is as follows:

```
1 using namespace std;
2 #include<iostream>
3 int main()
4 {
5     int age;
6     cout<<"enter the age";
7     cin>>age;
8     if(age>0 && int(age))
9     {
10        if (age>=18)
11        {
12            cout<<"eligible for vote";
13        }
14        else
15        {
16            cout<<"not eligible";
17        }
18    }
19    else
20    {
21        cout<<"not valid";
22    }
23 }
```

The output window shows the execution results: "enter the age43", "eligible for vote", "Process exited after 3.676 seconds with return value 0", and "Press any key to continue . . .". The compilation results at the bottom show 0 errors and 0 warnings, with an output file named 'eligible.exe'.

6. Write the c++ program to find the given character is alphabet or not?

PROGRAM:

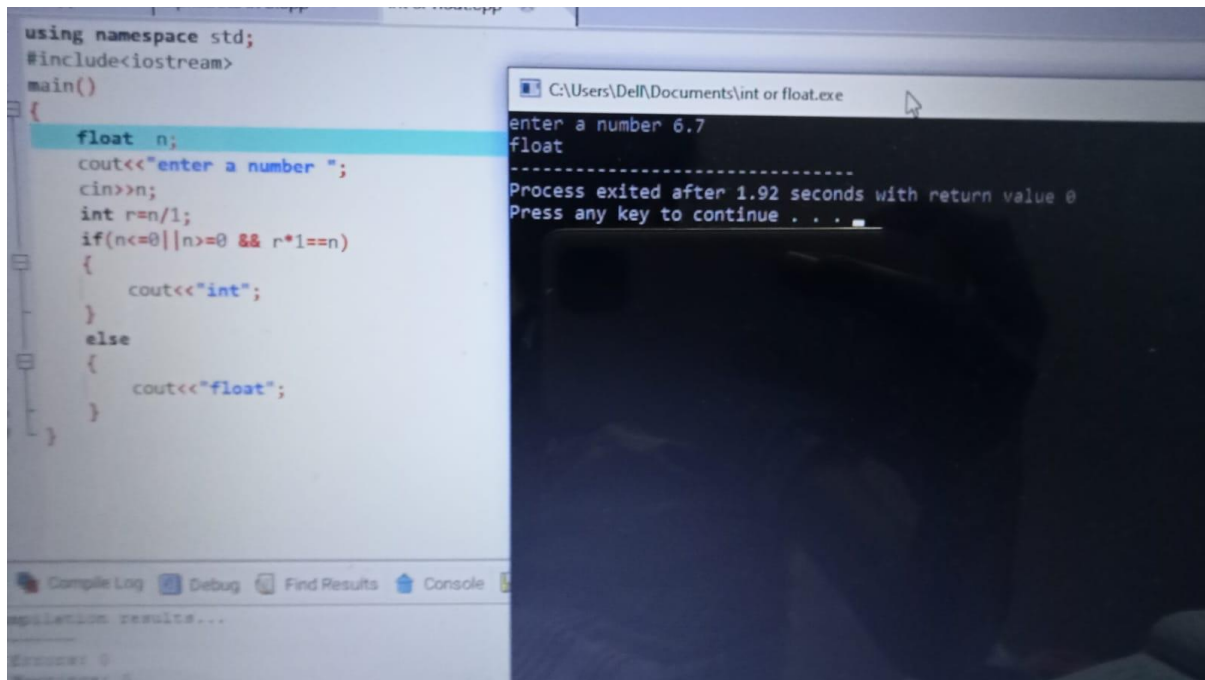
The screenshot shows a C++ IDE with a file named 'alphabets.cpp'. The code is as follows:

```
1 using namespace std;
2 #include<iostream>
3 int main()
4 {
5     char c;
6     cout << "Enter a character";
7     cin >> c;
8     if((c >= 'a' && c <= 'z') || (c >= 'A' && c <= 'Z'))
9     {
10        cout << c << " is an Alphabet.";
11    }
12    else
13    {
14        cout << c << " is not an Alphabet.";
15    }
16    return 0;
17 }
18
```

The output window shows the execution results: "y is an Alphabet.", "Process exited after 1.572 seconds with return value 0", and "Press any key to continue . . .". The compilation results at the bottom show 0 errors and 0 warnings, with an output file named 'alphabets in c.exe'.

7. Write the c++ program to find the number is integer or not?

PROGRAM:



The screenshot shows a C++ program in a code editor and its execution output in a console window. The program checks if a number is an integer or a float. The console output shows the user entering 6.7, which is identified as a float.

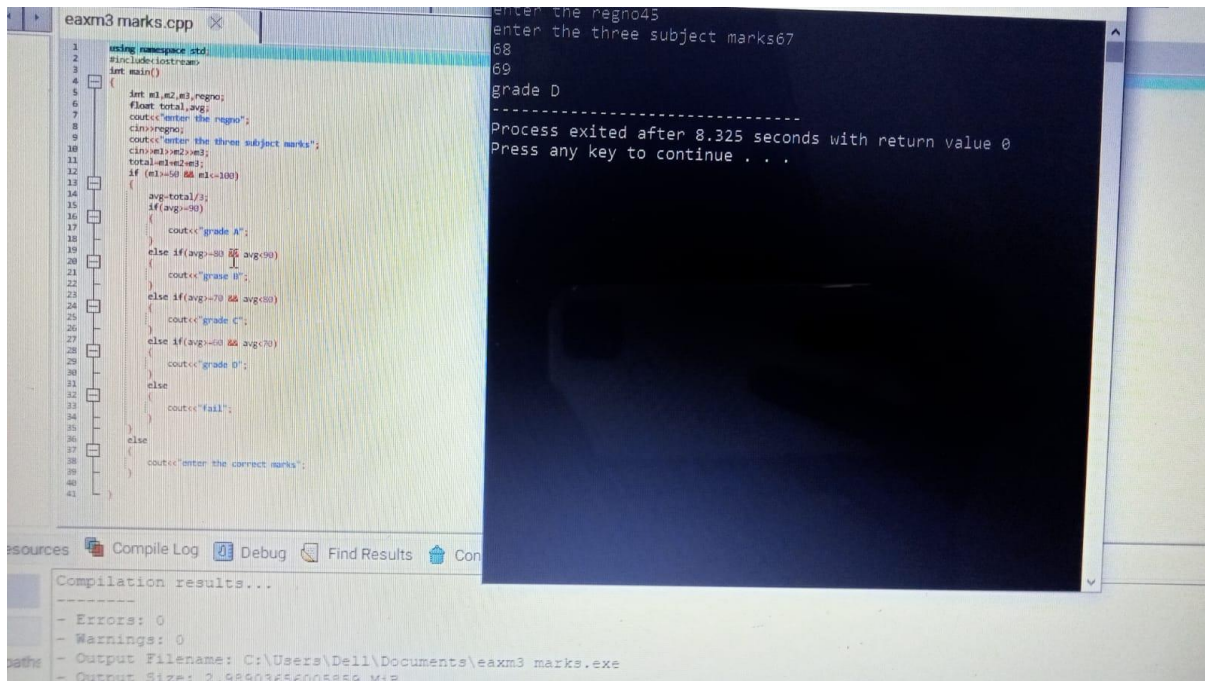
```
using namespace std;
#include<iostream>
main()
{
    float n;
    cout<<"enter a number ";
    cin>>n;
    int r=n/1;
    if(n<=0||n>=0 && r*1==n)
    {
        cout<<"int";
    }
    else
    {
        cout<<"float";
    }
}
```

Console Output:

```
C:\Users\Del\Documents\int or float.exe
enter a number 6.7
float
-----
Process exited after 1.92 seconds with return value 0
Press any key to continue . . .
```

8. Write the c++ program to print the student reports in the following fields?

PROGRAM:



The screenshot shows a C++ program in a code editor and its execution output in a console window. The program calculates the average of three subject marks and prints the corresponding grade. The console output shows the user entering 45 for the register number and 67, 68, 69 for the three subject marks, resulting in a grade of D.

```
using namespace std;
#include<iostream>
int main()
{
    int m1,m2,m3,regno;
    float total,avg;
    cout<<"enter the regno";
    cin>>regno;
    cout<<"enter the three subject marks";
    cin>>m1>>m2>>m3;
    total=m1+m2+m3;
    if (m1>50 && m2>50 && m3>50)
    {
        avg=total/3;
        if (avg>90)
        {
            cout<<"grade A";
        }
        else if (avg>80 && avg<90)
        {
            cout<<"grade B";
        }
        else if (avg>70 && avg<80)
        {
            cout<<"grade C";
        }
        else if (avg>60 && avg<70)
        {
            cout<<"grade D";
        }
        else
        {
            cout<<"fail";
        }
    }
    else
    {
        cout<<"enter the correct marks";
    }
}
```

Console Output:

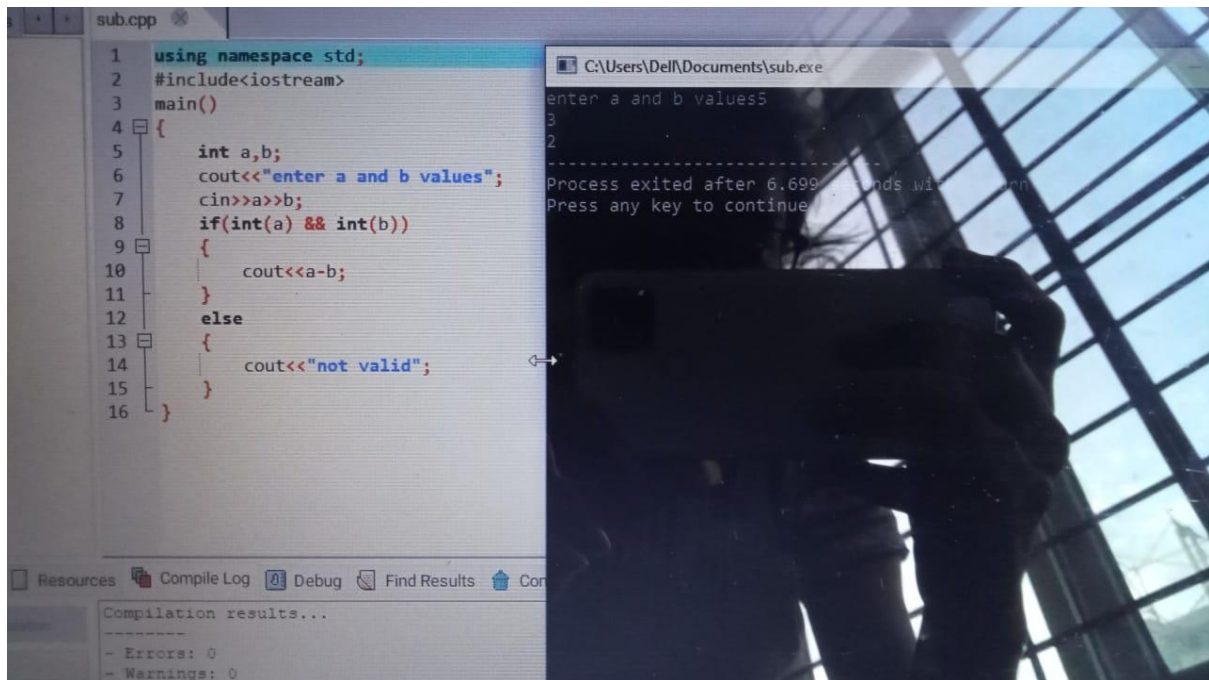
```
enter the regno45
enter the three subject marks67
68
69
grade D
-----
Process exited after 8.325 seconds with return value 0
Press any key to continue . . .
```

Compilation results...

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Del\Documents\exam3 marks.exe
- Output Size: 2.98903656005859 Mib
```

9. Write the c++ program to find the subtraction between two numbers?

PROGRAM:



The screenshot shows a C++ IDE with a file named 'sub.cpp'. The code is as follows:

```
1 using namespace std;
2 #include<iostream>
3 main()
4 {
5     int a,b;
6     cout<<"enter a and b values";
7     cin>>a>>b;
8     if(int(a) && int(b))
9     {
10        cout<<a-b;
11    }
12    else
13    {
14        cout<<"not valid";
15    }
16 }
```

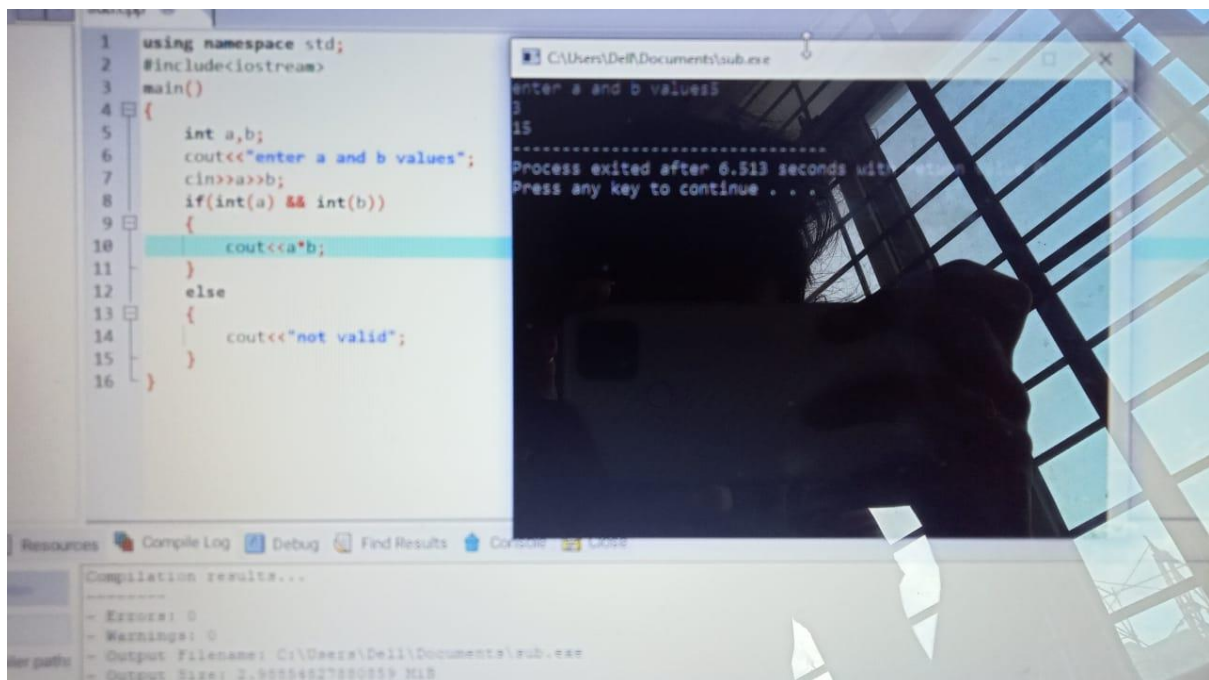
The IDE's output window shows the execution results:

```
C:\Users\Devi\Documents\sub.exe
enter a and b values
3
2
-----
Process exited after 6.699 seconds with return code 0
Press any key to continue . . .
```

The IDE's status bar at the bottom indicates 'Compilation results...' with 'Errors: 0' and 'Warnings: 0'.

10. Write the c++ program to find multiplication of two numbers?

PROGRAM:



The screenshot shows a C++ IDE with a file named 'sub.cpp'. The code is as follows:

```
1 using namespace std;
2 #include<iostream>
3 main()
4 {
5     int a,b;
6     cout<<"enter a and b values";
7     cin>>a>>b;
8     if(int(a) && int(b))
9     {
10        cout<<a*b;
11    }
12    else
13    {
14        cout<<"not valid";
15    }
16 }
```

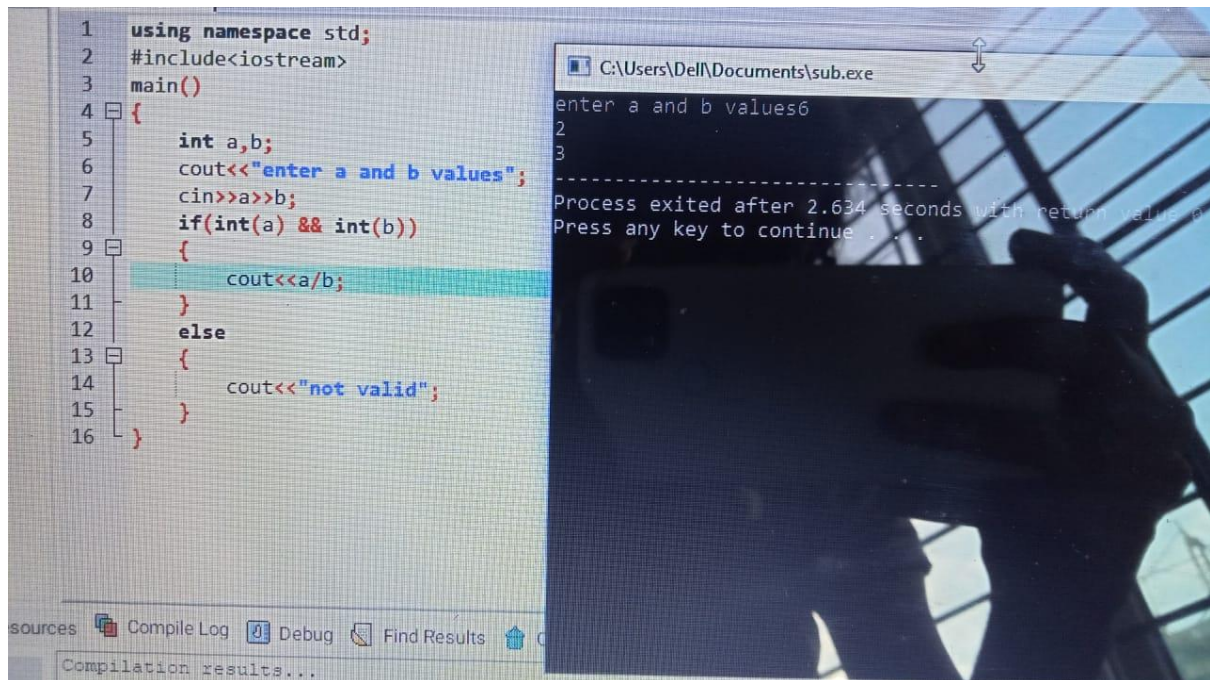
The IDE's output window shows the execution results:

```
C:\Users\Devi\Documents\sub.exe
enter a and b values
3
15
-----
Process exited after 6.513 seconds with return code 0
Press any key to continue . . .
```

The IDE's status bar at the bottom indicates 'Compilation results...' with 'Errors: 0' and 'Warnings: 0'. It also shows the output filename as 'C:\Users\Devi\Documents\sub.exe' and the output size as '2,985,948,278,055 KB'.

11. Write the c++ program to find division of two numbers?

PROGRAM:



The image shows a C++ program in a code editor and its execution in a command prompt window. The program is designed to take two integers as input and calculate their division. It includes error handling for division by zero.

```
1 using namespace std;
2 #include<iostream>
3 main()
4 {
5     int a,b;
6     cout<<"enter a and b values";
7     cin>>a>>b;
8     if(int(a) && int(b))
9     {
10        cout<<a/b;
11    }
12    else
13    {
14        cout<<"not valid";
15    }
16 }
```

The command prompt window shows the program's execution. It prompts the user to "enter a and b values", and the user enters "6" and "3". The program outputs the result of the division, which is "2". The window title is "C:\Users\Devi\Documents\sub.exe".

enter a and b values6
2
3

Process exited after 2.634 seconds with return value 0
Press any key to continue . . .