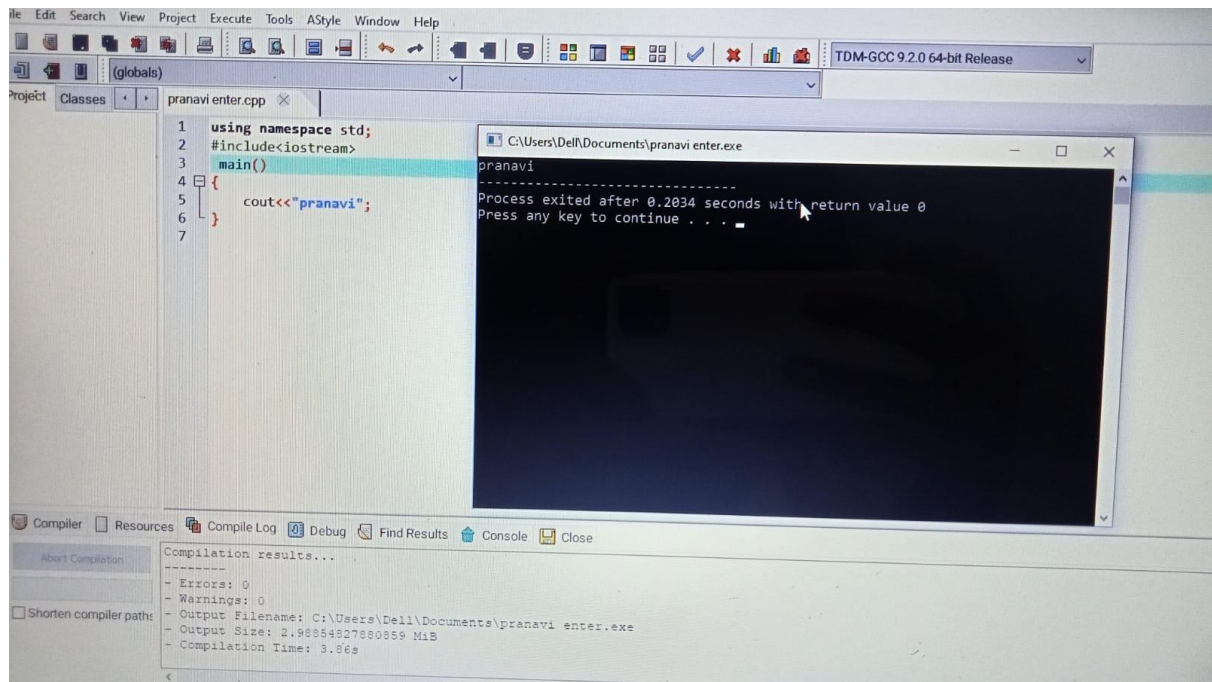


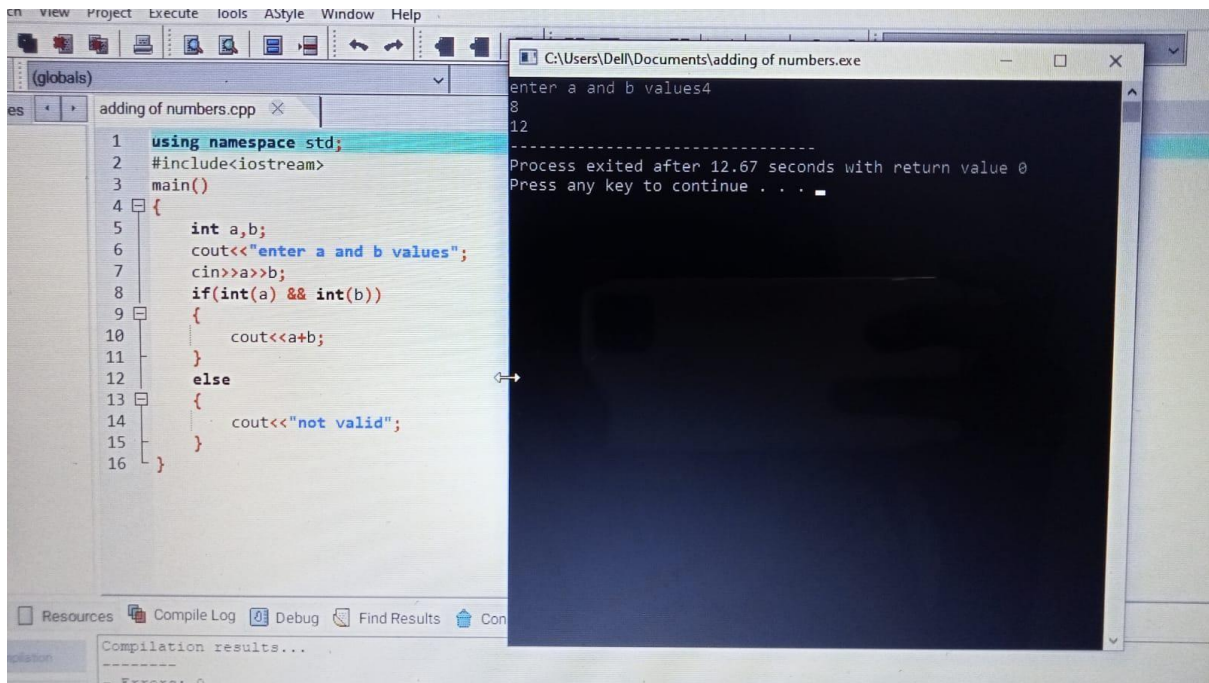
1. Write the c++ program to enter the name?

PROGRAM:



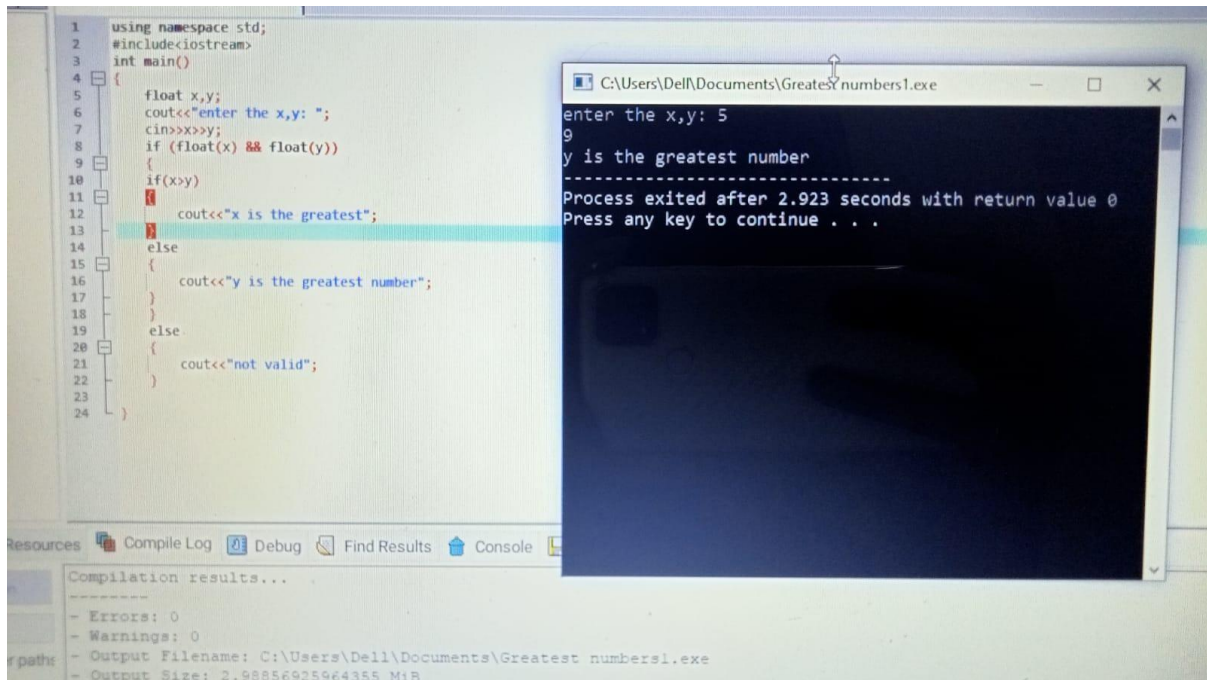
2. Write c++ program to add two numbers?

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 }
```

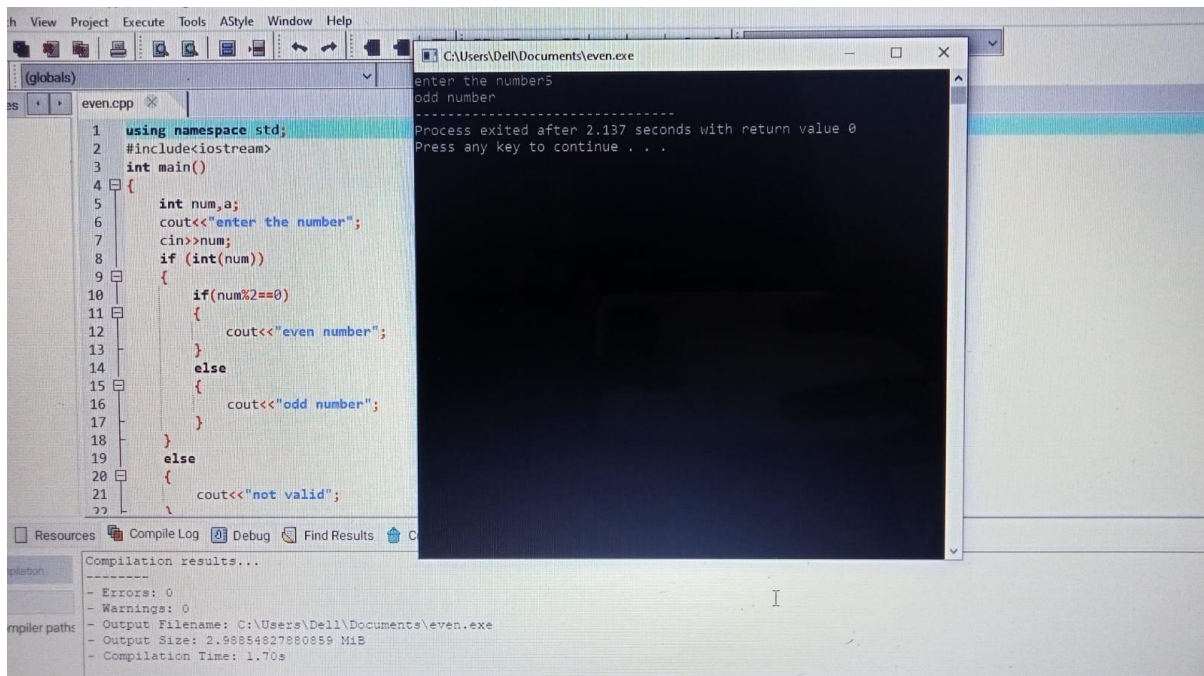
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\De\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 }
```

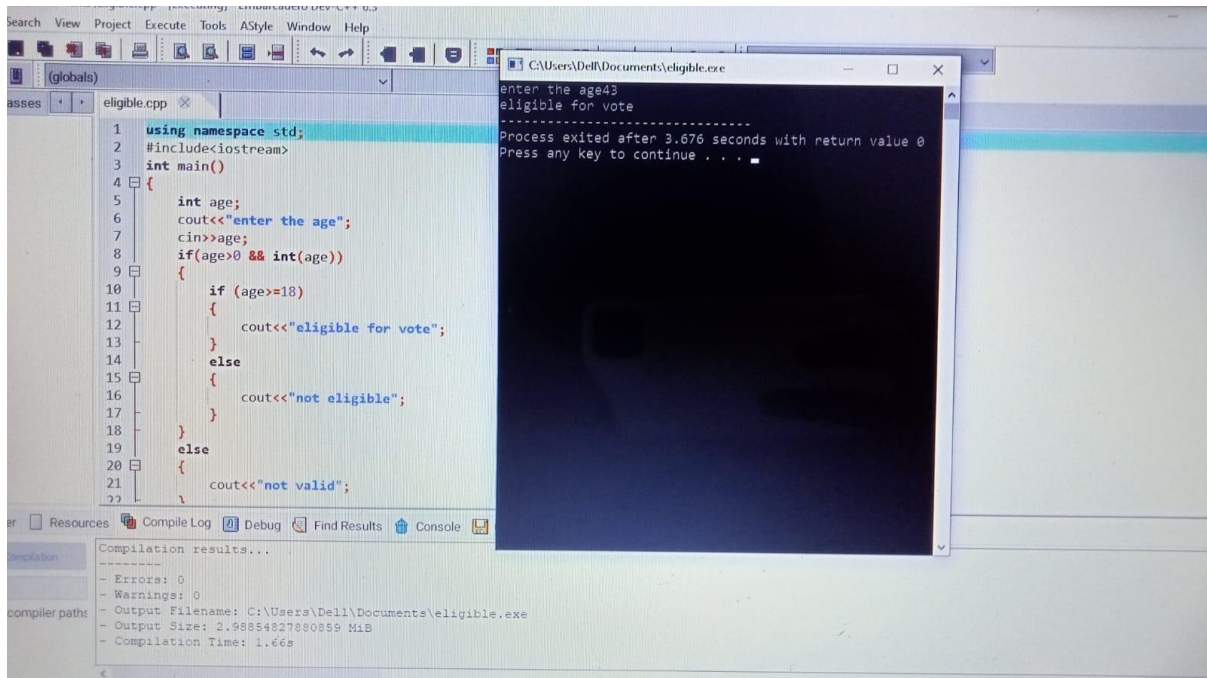
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\De\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:



```
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 }
```

Compilation results...

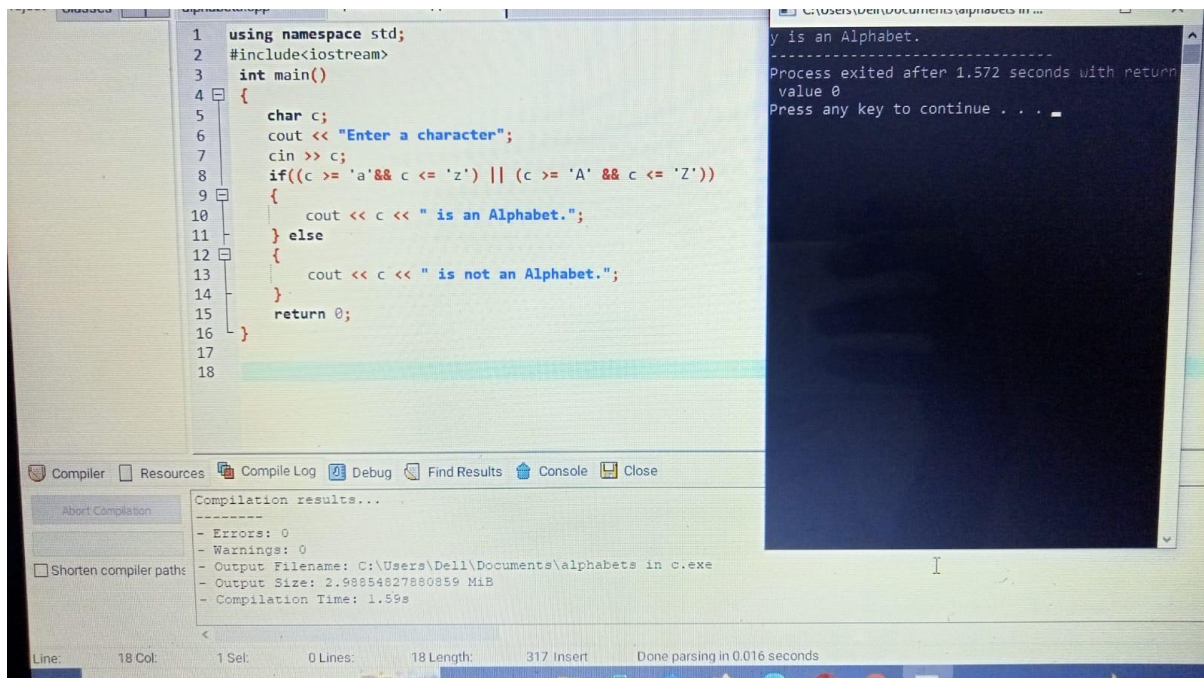
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Dell\Documents\eligible.exe
- Output Size: 2.98854827880859 MiB
- Compilation Time: 1.66s

Console output:

```
enter the age:43
eligible for vote
Process exited after 3.676 seconds with return value 0
Press any key to continue . . .
```

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

PROGRAM:



```
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     } else
12     {
13         cout << c << " is not an Alphabet.";
14     }
15     return 0;
16 }
17
18
```

Compilation results...

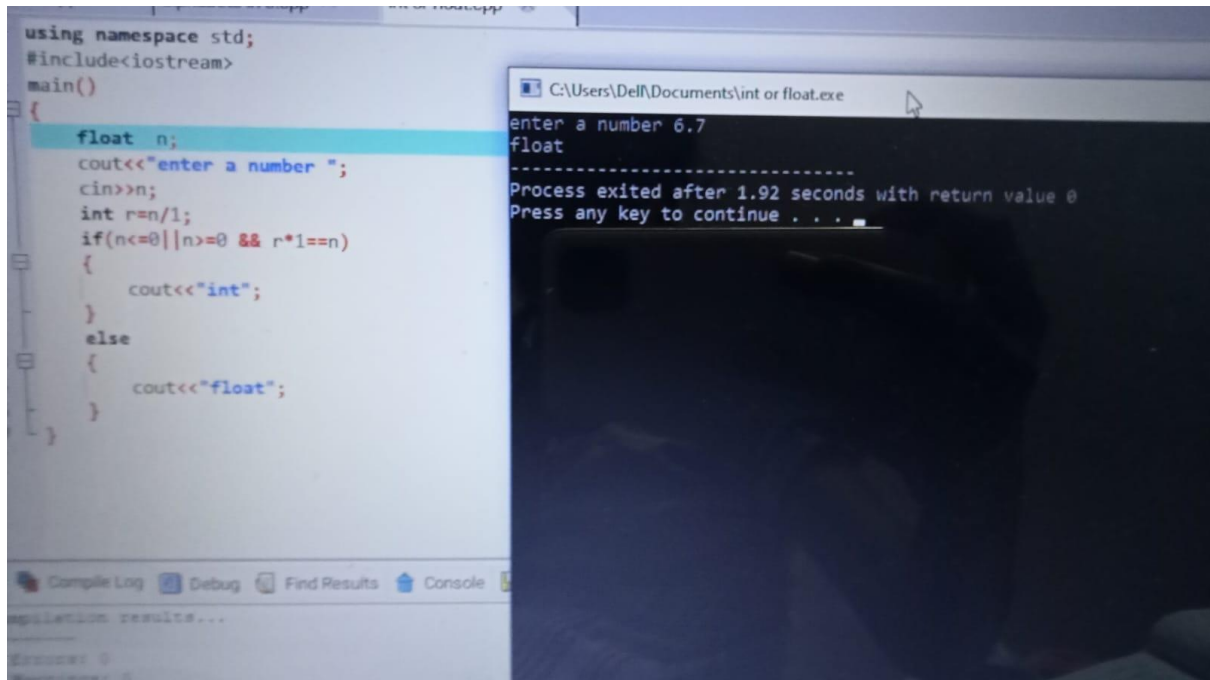
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Dell\Documents\alphabets in c.exe
- Output Size: 2.98854827880859 MiB
- Compilation Time: 1.59s

Console output:

```
y is an Alphabet.
Process exited after 1.572 seconds with return value 0
Press any key to continue . . .
```

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 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.

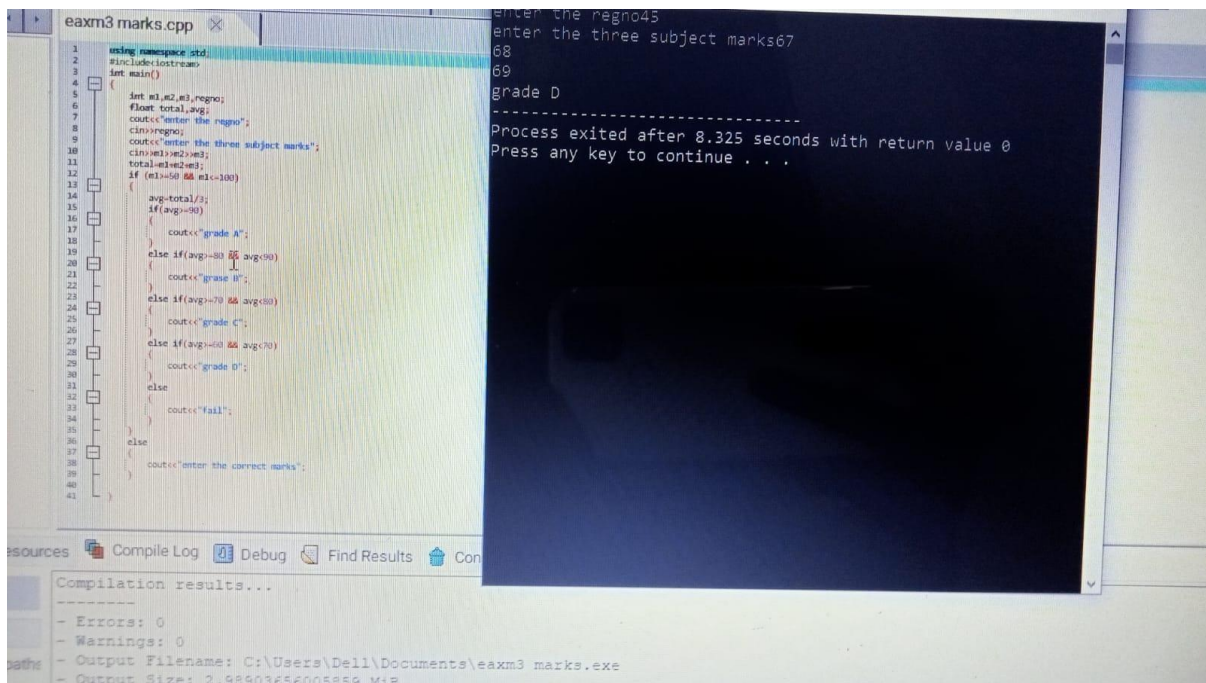
```
using namespace std;
#include<iostream>
main()
{
    float n;
    cout<<"enter a number ";
    cin>>n;
    int r=n/1;
    if(n==0||n>=0 && r*1==n)
    {
        cout<<"int";
    }
    else
    {
        cout<<"float";
    }
}
```

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 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 marks 68, 69, and 67, resulting in an average of 68 and 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:

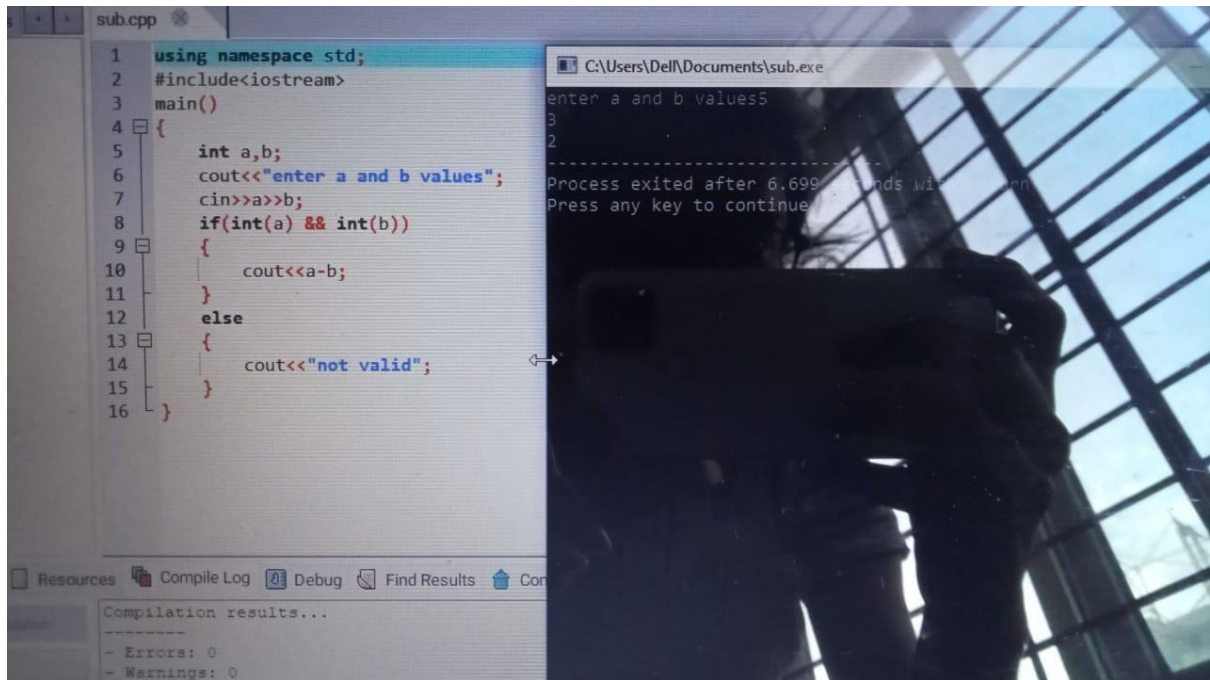
```
enter the regno45
enter the three subject marks68
69
67
grade D
-----
Process exited after 8.325 seconds with return value 0
Press any key to continue . . .
```

Compilation results...

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Del\Documents\exam3 marks.exe
- Output Size: 2,989,036,560,058,59 MB
```

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

PROGRAM:



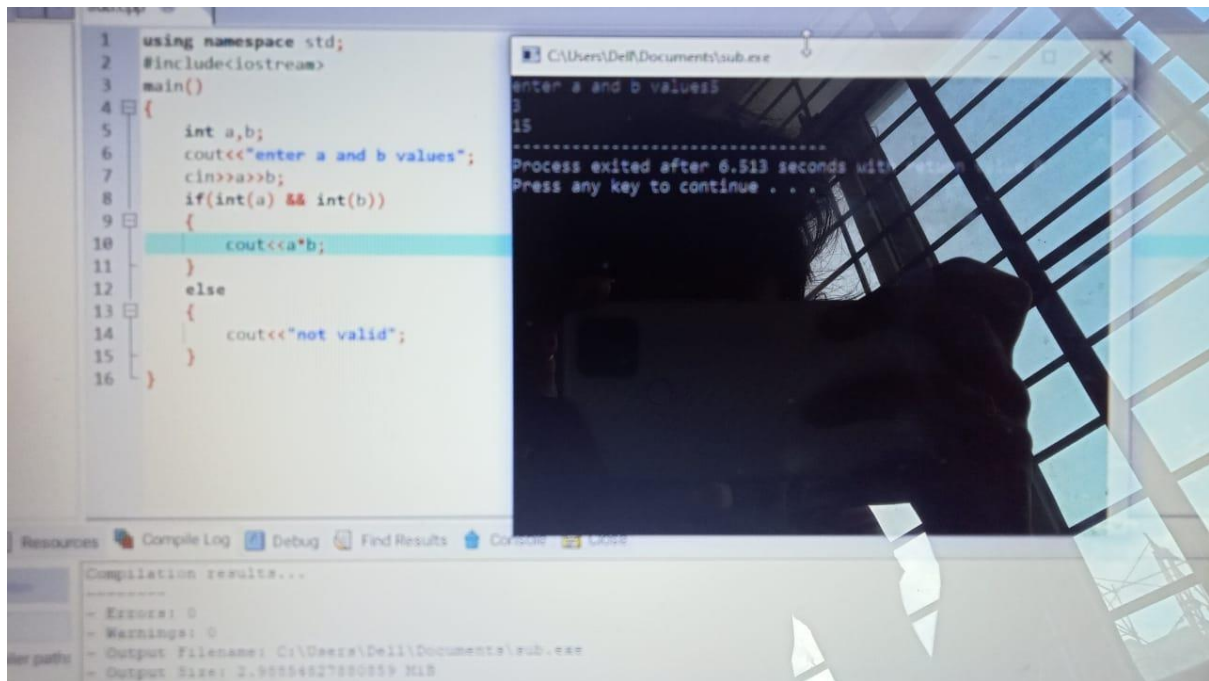
The screenshot shows a C++ program in a code editor and its execution in a console window. The code defines a function `int(int(a) && int(b))` that checks if both inputs are integers. If yes, it calculates `a-b`; otherwise, it prints "not valid". The console shows inputs 3 and 2, resulting in the output 1.

```
sub.cpp
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 }
```

```
C:\Users\Devi\Documents\sub.exe
enter a and b values
3
2
-----
1
Process exited after 6.699 seconds with return code 0
Press any key to continue . . .
```

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

PROGRAM:



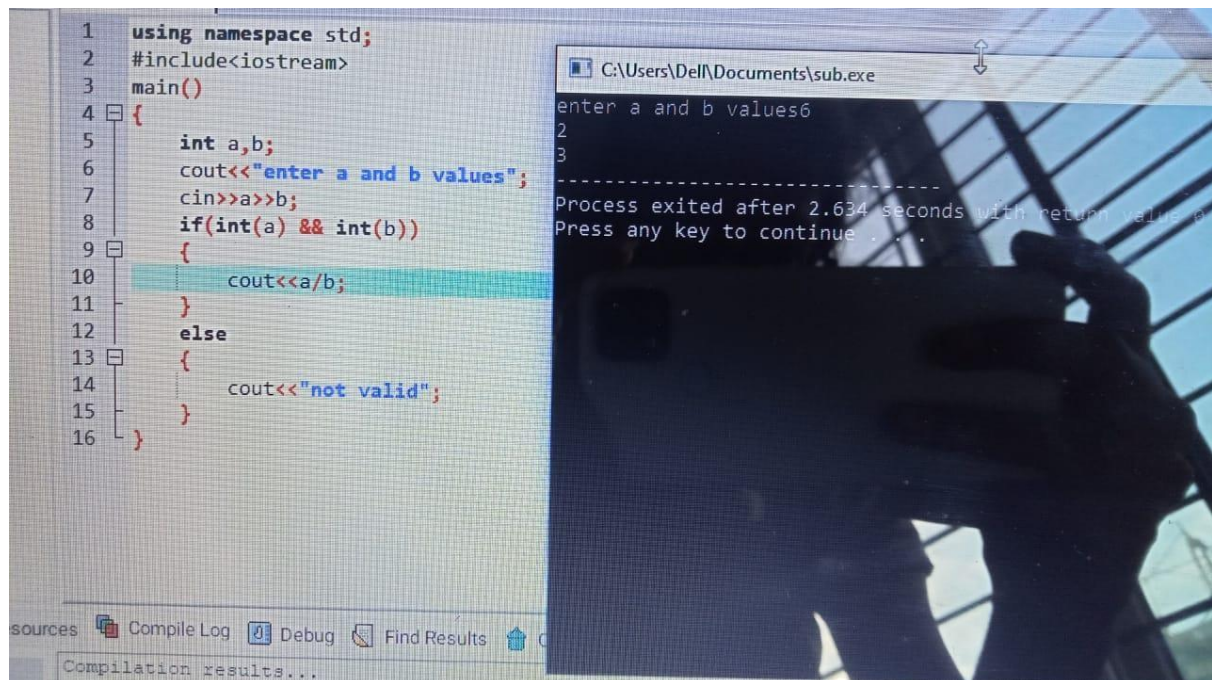
The screenshot shows a C++ program in a code editor and its execution in a console window. The code defines a function `int(int(a) && int(b))` that checks if both inputs are integers. If yes, it calculates `a*b`; otherwise, it prints "not valid". The console shows inputs 3 and 5, resulting in the output 15.

```
sub.cpp
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 }
```

```
C:\Users\Devi\Documents\sub.exe
enter a and b values
3
5
-----
15
Process exited after 6.513 seconds with return code 0
Press any key to continue . . .
```


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

PROGRAM:



The image shows a screenshot of a C++ program in an IDE and its execution output. The program is designed to take two integers as input and calculate their division. It includes a check to ensure both inputs are integers before performing the division. The IDE window shows the source code with line numbers 1 through 16. The output window shows the program's execution, including the prompt 'enter a and b values', the input '6 3', the output '2', and a message indicating the process exited after 2.634 seconds.

```
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 }
```

Output:

```
C:\Users\Del\Documents\sub.exe
enter a and b values
6
3
-----
2
Process exited after 2.634 seconds with return value 0
Press any key to continue . . .
```