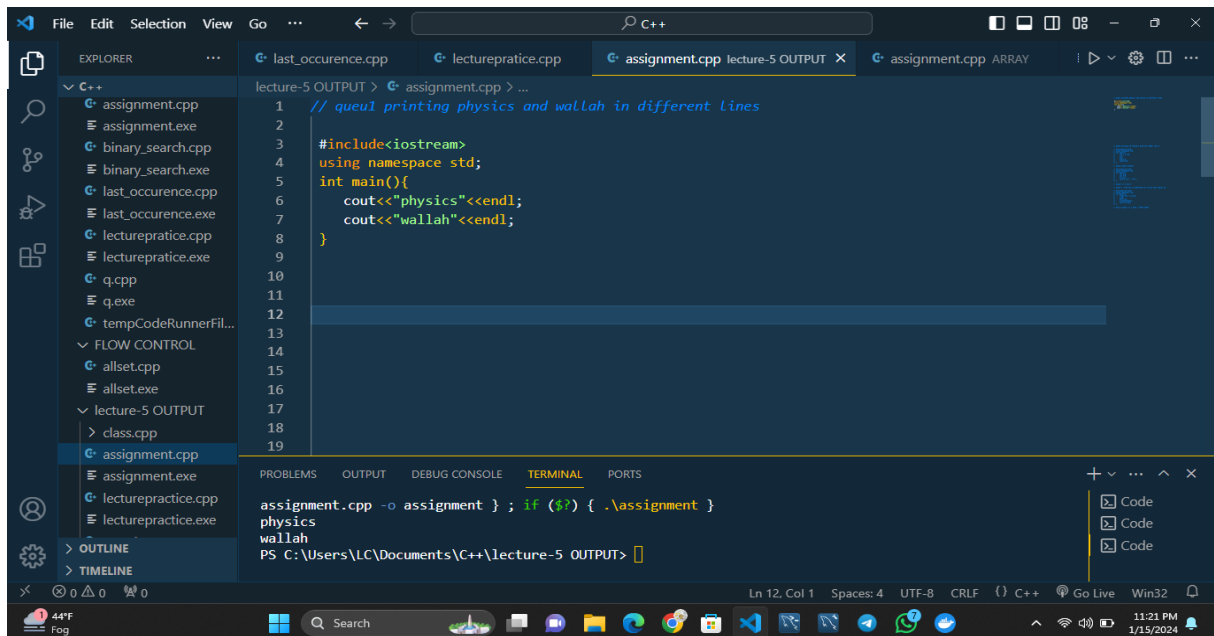


# Assignment : L1(Solutions)

## OUTPUT & VARIABLES

Ques: How can you output “Physics” and “Wallah” in two different lines in C++?

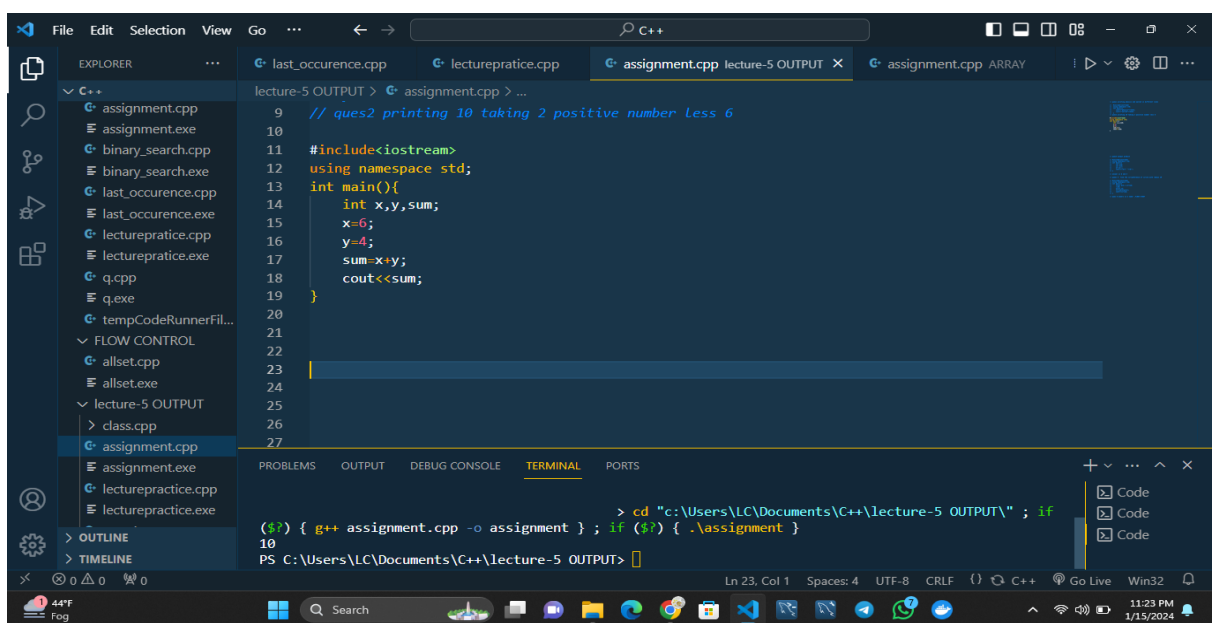


The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows a project structure with files like `assignment.cpp`, `assignment.exe`, `binary_search.cpp`, `binary_search.exe`, `last_occurrence.cpp`, `last_occurrence.exe`, `lecturepractice.cpp`, `lecturepractice.exe`, `q.cpp`, `q.exe`, `tempCodeRunnerFil...`, `FLOW CONTROL`, `allset.cpp`, `allset.exe`, `lecture-5 OUTPUT`, `class.cpp`, `assignment.cpp`, `assignment.exe`, `lecturepractice.cpp`, and `lecturepractice.exe`. The main editor shows the code for `assignment.cpp`:

```
1 // ques1 printing physics and wallah in different lines
2
3 #include<iostream>
4 using namespace std;
5 int main(){
6     cout<<"physics"<<endl;
7     cout<<"wallah"<<endl;
8 }
9
10
11
12
13
14
15
16
17
18
19
```

The TERMINAL panel at the bottom shows the command `assignment.cpp -o assignment ; if ($?) { .\assignment }` and the output `physics` and `wallah` on two separate lines. The status bar at the bottom indicates the file is `Ln 12, Col 1`, `Spaces: 4`, `UTF-8`, `CRLF`, `C++`, `Go Live`, and `Win32`. The system tray shows the date and time as `11:21 PM 1/15/2024`.

Ques: Print 10 using 2 positive numbers less than 6 in C++ as output.



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows the same project structure as the previous screenshot. The main editor shows the code for `assignment.cpp`:

```
9 // ques2 printing 10 taking 2 positive number Less 6
10
11 #include<iostream>
12 using namespace std;
13 int main(){
14     int x,y,sum;
15     x=6;
16     y=4;
17     sum=x+y;
18     cout<<sum;
19 }
20
21
22
23
24
25
26
27
```

The TERMINAL panel at the bottom shows the command `cd "c:\Users\LC\Documents\C++\lecture-5 OUTPUT\" ; if ($?) { g++ assignment.cpp -o assignment ; if ($?) { .\assignment } }` and the output `10`. The status bar at the bottom indicates the file is `Ln 23, Col 1`, `Spaces: 4`, `UTF-8`, `CRLF`, `C++`, `Go Live`, and `Win32`. The system tray shows the date and time as `11:23 PM 1/15/2024`.

Ques: How much space does following data types take?

1) Int 2) Bool 3) Float

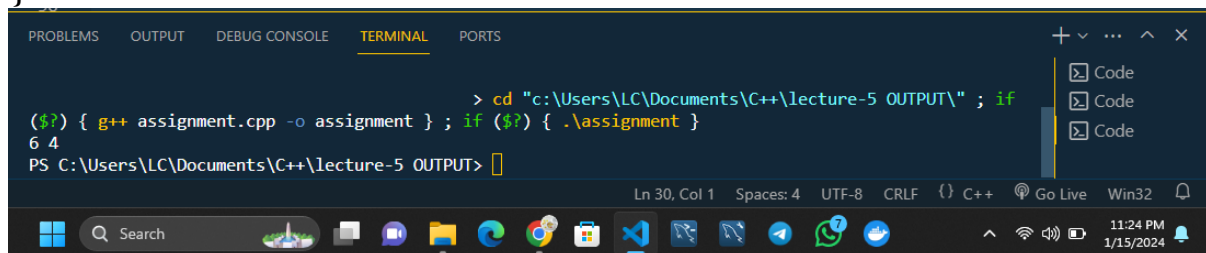
**Answer:-** Int 4 Bytes

Bool 1 Bytes

Float 4 Bytes

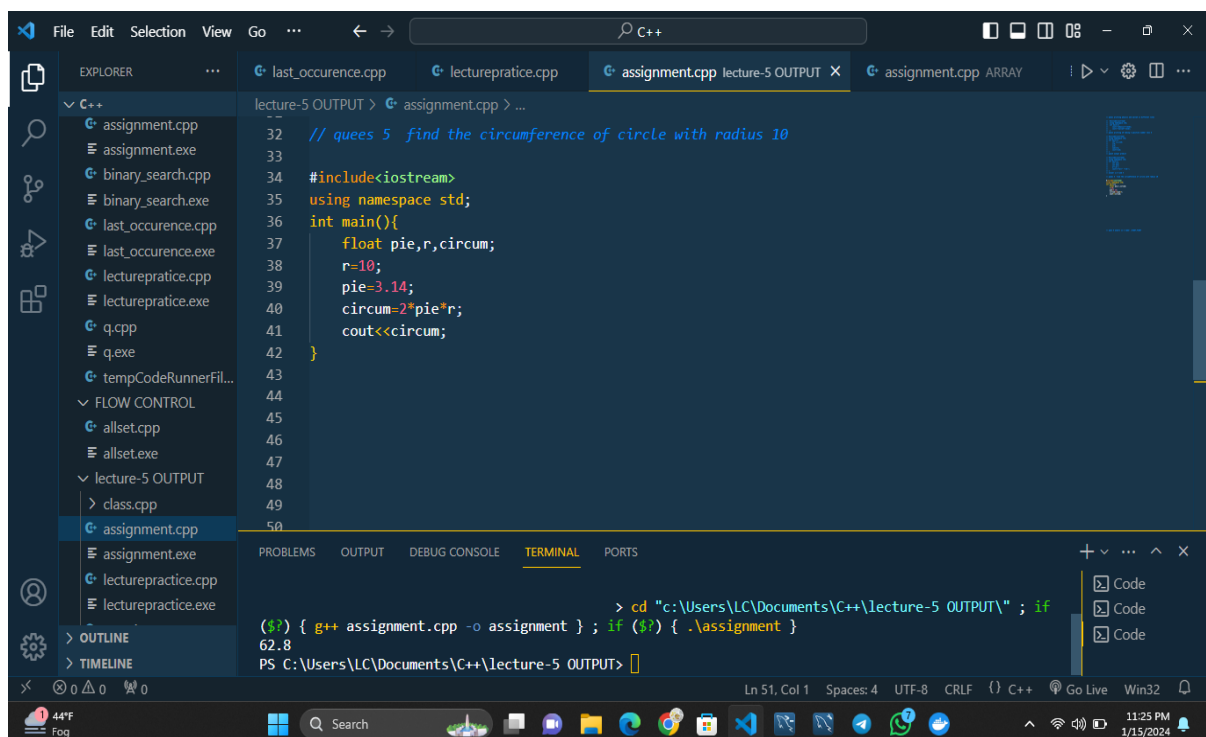
Ques: What is the output of this program?

```
void main(){  
    int a=4;  
    int b=5;  
    a++;b--;  
    cout<<"+a<<" "<b--;  
}
```



```
PS C:\Users\LC\Documents\C++\lecture-5 OUTPUT> cd "c:\Users\LC\Documents\C++\lecture-5 OUTPUT\" ; if ($?) { g++ assignment.cpp -o assignment } ; if ($?) { .\assignment }  
6 4  
PS C:\Users\LC\Documents\C++\lecture-5 OUTPUT>
```

Ques: WAP to find the circumference of a circle with radius 10 in C++.



```
// ques 5 find the circumference of circle with radius 10  
#include<iostream>  
using namespace std;  
int main(){  
    float pie,r,circum;  
    r=10;  
    pie=3.14;  
    circum=2*pie*r;  
    cout<<circum;  
}
```

```
PS C:\Users\LC\Documents\C++\lecture-5 OUTPUT> cd "c:\Users\LC\Documents\C++\lecture-5 OUTPUT\" ; if ($?) { g++ assignment.cpp -o assignment } ; if ($?) { .\assignment }  
62.8  
PS C:\Users\LC\Documents\C++\lecture-5 OUTPUT>
```

**Ques:** How many of these can be a variable name?

01PWskills

\_FLOAT

int

FLOAT

You will succeed

**Answer:-** \_Float  
Float