

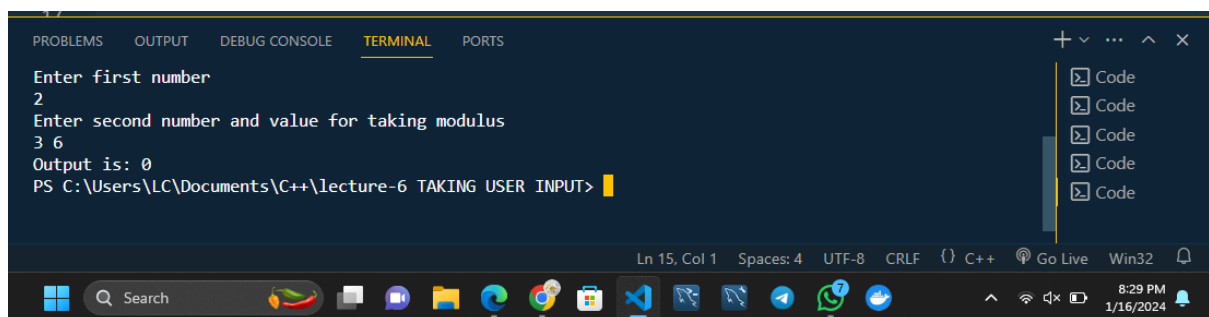
# Assignment : L2(Solutions)

## OUTPUT & VARIABLES

Ques-1 Find the output for this code. Let input:- 2 3 6

```
#include <iostream>
using namespace std;
int main()
{
    int x;
    cout << "Enter first number\n";
    cin >> x; // user will give 'x' a value.
    int y, m;
    cout << "Enter second number and value for taking
    modulus\n";
    cin >> y >> m;
    int Z = (x * y) % m;
    cout << "Output is: " << Z;
}
```

Answer:



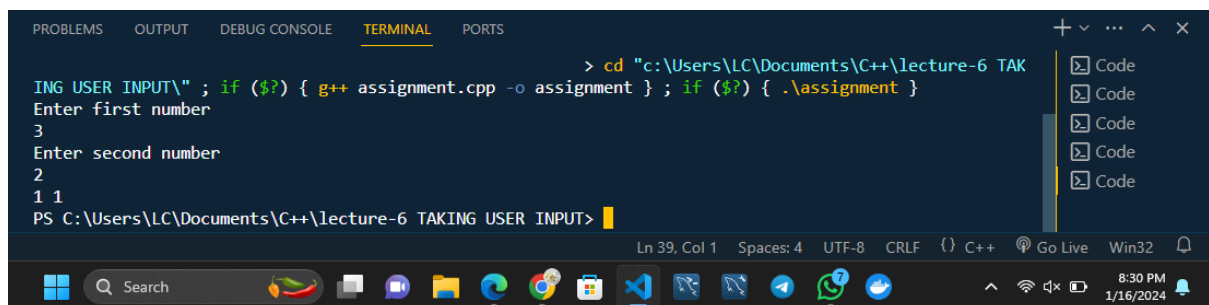
```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Enter first number
2
Enter second number and value for taking modulus
3 6
Output is: 0
PS C:\Users\LC\Documents\C++\lecture-6 TAKING USER INPUT>
```

Ln 15, Col 1 Spaces: 4 UTF-8 CRLF {} C++ Go Live Win32 8:29 PM 1/16/2024

Ques-2 Find the output for this code. Let input:- 3 2

```
#include <iostream>
using namespace std;
int main()
{
int x;
cout<<"Enter first number\n";
cin>>x; // user will give 'x' a value.
int y;
cout<<"Enter second number\n";
cin>>y; // user will give 'y' a value.
cout<<(x!=y)<<" "<<(x>=y);
}
```

Answer:



```
PS C:\Users\LC\Documents\C++\lecture-6 TAKING USER INPUT>
Enter first number
3
Enter second number
2
1 1
PS C:\Users\LC\Documents\C++\lecture-6 TAKING USER INPUT>
```

Ques-3 Find the output for this code. Let input:- 2 3

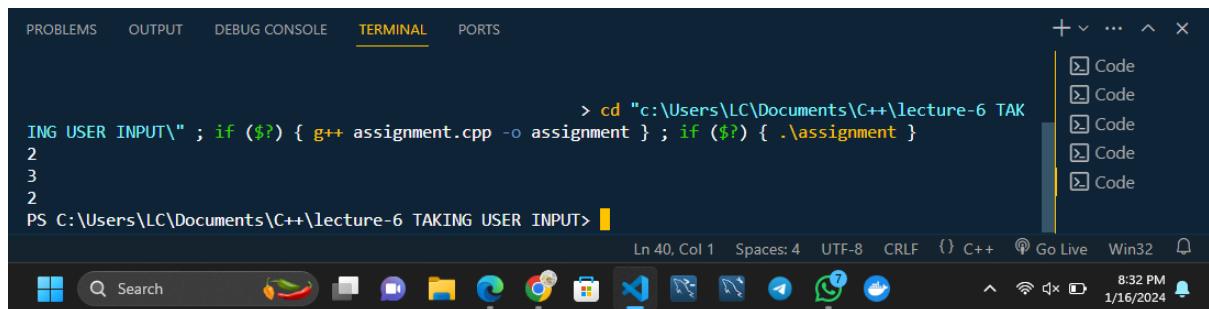
```
#include <iostream>
using namespace std;
int main()
{
int x,y;
cin>>x>>y;
x+=y;
```

```

x-=y;
x%=y;
cout<<x;
}

```

Answer:



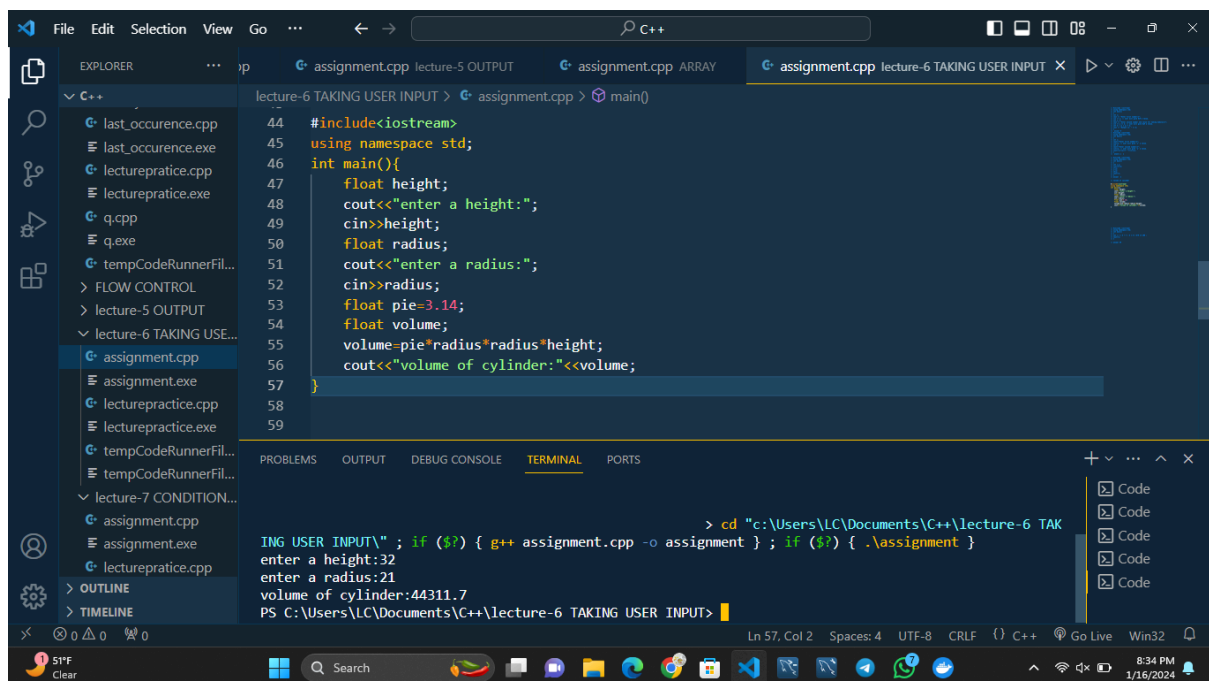
```

> cd "c:\Users\LC\Documents\C++\lecture-6 TAK
ING USER INPUT\" ; if ($?) { g++ assignment.cpp -o assignment } ; if ($?) { .\assignment }
2
3
2
PS C:\Users\LC\Documents\C++\lecture-6 TAKING USER INPUT>

```

Ques-4 WAP for finding the volume of the cylinder by taking radius and height as input.

Answer:

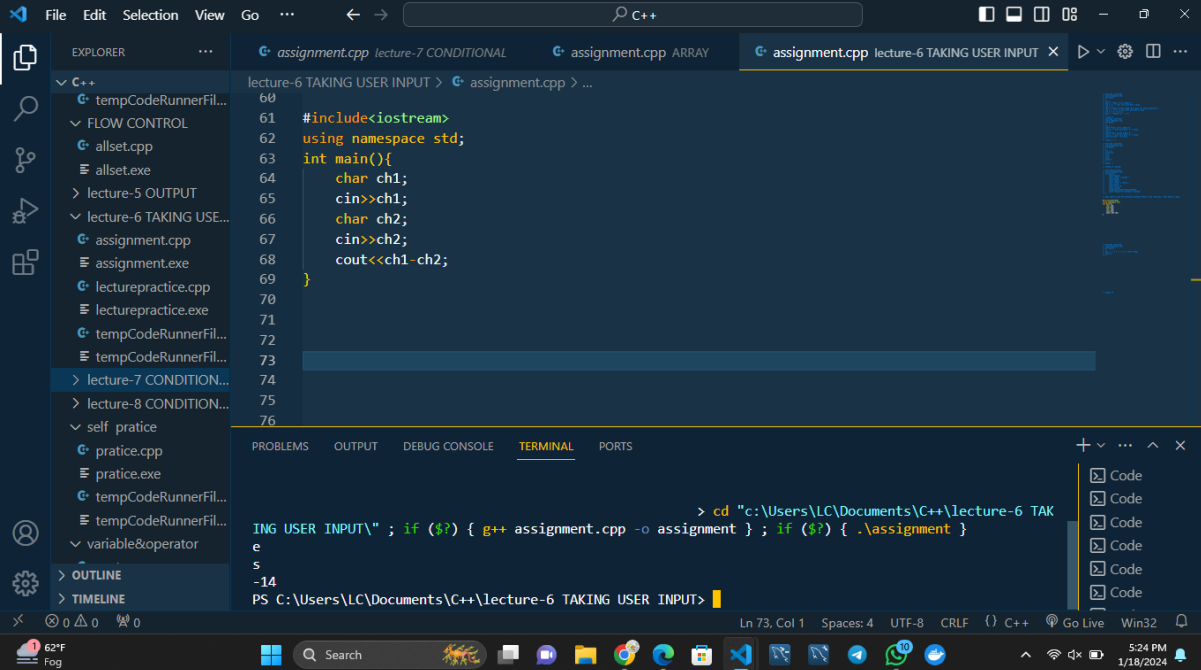


```

44 #include<iostream>
45 using namespace std;
46 int main(){
47     float height;
48     cout<<"enter a height:";
49     cin>>height;
50     float radius;
51     cout<<"enter a radius:";
52     cin>>radius;
53     float pie=3.14;
54     float volume;
55     volume=pie*radius*radius*height;
56     cout<<"volume of cylinder:"<<volume;
57 }
58
59
> cd "c:\Users\LC\Documents\C++\lecture-6 TAK
ING USER INPUT\" ; if ($?) { g++ assignment.cpp -o assignment } ; if ($?) { .\assignment }
enter a height:32
enter a radius:21
volume of cylinder:44311.7
PS C:\Users\LC\Documents\C++\lecture-6 TAKING USER INPUT>

```

Ques-5 WAP to find the difference between ASCII of two characters ,take them as input .



The screenshot shows the Visual Studio Code editor with a C++ file named 'assignment.cpp' open. The code is as follows:

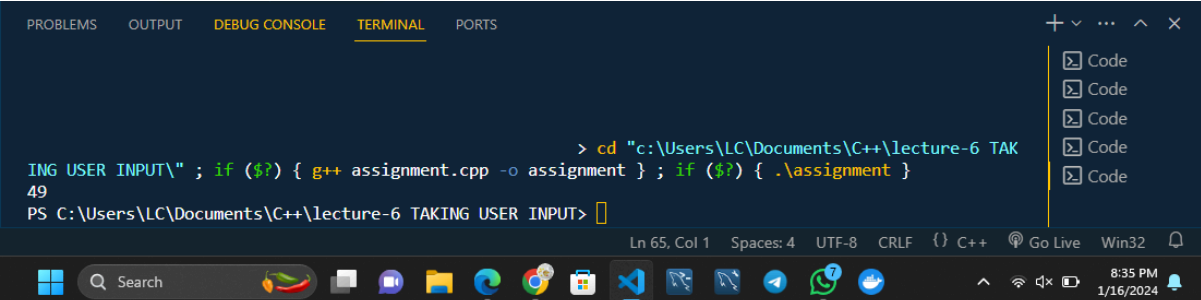
```
60
61 #include<iostream>
62 using namespace std;
63 int main(){
64     char ch1;
65     cin>>ch1;
66     char ch2;
67     cin>>ch2;
68     cout<<ch1-ch2;
69 }
70
71
72
73
74
75
76
```

The terminal window at the bottom shows the command prompt with the following text:

```
> cd "c:\Users\LC\Documents\C++\lecture-6 TAKING USER INPUT\" ; if ($?) { g++ assignment.cpp -o assignment } ; if ($?) { .\assignment }
e
s
-14
PS C:\Users\LC\Documents\C++\lecture-6 TAKING USER INPUT>
```

Ques:6 Find the output of the below code:

```
#include <iostream>
using namespace std;
int main()
{
int i = ( 4 + 7 / 5 * 6 * 6+9 )% 100 ;
cout<<i;
}
```



The screenshot shows the Visual Studio Code terminal window with the following text:

```
> cd "c:\Users\LC\Documents\C++\lecture-6 TAKING USER INPUT\" ; if ($?) { g++ assignment.cpp -o assignment } ; if ($?) { .\assignment }
49
PS C:\Users\LC\Documents\C++\lecture-6 TAKING USER INPUT>
```