C++ Assignment 2 Solutions | Week1

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; // user will give 'y' a value.
    int Z = (x * y) % m;
    cout << "Output is: " << Z;

}
```

Solution:

When we are passing the input 2. 3 and 6 then the output is 0.

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

Solution:

```
#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);
}
```

Solution:

When we are passing the input 3 and 2 then we get the output

Output :- 1 1 (i.e. true true)

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

Solution:

```
#include <iostream>

using namespace std;

int main()
{
    int x,y;
    cin>>x>>y;
    x+=y;
    x-=y;
    x%=y;
    cout<<x;
}
```

Solution:

When we pass the input 2 and 3 then we get

Output :- 2

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

Solution:

```cpp
#include <bits/stdc++.h>
using namespace std;
int main() {

    int r,h;
    cout<<"Enter the radius and height    of cylinder"<<endl;
    cin>>r>>h;
    int pi=3.14;
    int volume=pi*r*r*h;
    cout<<volume;
    return 0;
}
```

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

Solution:

```cpp
#include <bits/stdc++.h>
using namespace std;
int main() {

    char a,b;
    cout<<"Enter two characters :"<<endl;
    cin>>a>>b;
    cout<<b-a<<endl;
    return 0;
}
```

6. Find the output of the below code

```cpp
#include <iostream>

using namespace std;

int main()
{
    int i =  ( 4 + 7 / 5 * 6 * 6+9 )% 100 ;
    cout<<i;
}
```

Solution:

The output of the above code is **49.**
