

# ASSIGNMENT 2

**Q1.** 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;
}
```

## output

Enter first number

2

Enter second number and value for taking modulus

3

6

Output is: 0

**Q2.** 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);
}
```

output
Enter first number 3 Enter second number 2 1 1

**Q3.** 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;
}
```

output
2 3 2

**Q4.** WAP for finding the volume of the cylinder by taking radius and height as input.

```
#include<iostream>
using namespace std;
int main(){
    int r,h;
    float pi = 3.14;
    cout<<"Enter radius : ";
    cin>>r;
    cout<<"Enter height of cylinder : ";
    cin>>h;
    cout<<"Volume of cylinder is : "<< pi*r*r*h ;
}
```

```
p\C++WITH DSA\PRACTICE c++with DSA\" ; if ($?) { g++ 21condition.cpp -o 21co
\21condition }
Enter radius : 3
Enter height of cylinder : 4
Volume of cylinder is : 113.04
```

**Q5.** WAP to find the difference between ASCII of two characters ,take them as input .

```
#include<iostream>
using namespace std;
int main(){
    char c1,c2;
    cout<<"Enter a first character : ";
    cin>>c1;
    cout<<"Enter a second character : ";
    cin>>c2;
    cout<<"Difference between their ASCII values
: ";
    cout<<int(c1)-int(c2);
    return 0;
}
```

```
PS C:\Users\ITC\OneDrive\Desktop\C++WITH DSA\PRACTICE c++with DSA> cd "c:\Us
21condition.cpp -o 21condition } ; if ($?) { .\21condition }
Enter a first character : A
Enter a second character : a
Difference between their ASCII values : -32
```

**Q6.** 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;
}
```

**output**

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