



The image shows a screenshot of a C++ IDE. The top part is the code editor, which contains a C++ program. The program starts with a comment: `//Find the output for this code. Let input:- 2 3 6`. It then includes `<iostream>` and uses the `std` namespace. The `main` function declares three integers: `x`, `y`, and `m`. It prompts the user to enter the first number, then the second number and a value for taking modulus. The user inputs 2, 3, and 6 respectively. The program calculates `Z = (x * y) % m` and prints the output, which is 0.

```
sort > code1.cpp > ...
1
2 //Find the output for this code. Let input:- 2 3 6
3
4 #include <iostream>
5 using namespace std;
6 int main()
7 {
8     int x;
9     cout << "Enter first number\n";
10    cin >> x; // user will give 'x' a value.
11    int y, m;
12    cout << "Enter second number and value for taking modulus\n";
13    cin >> y >> m; // user will give 'y' a value.
14    int Z = (x * y) % m;
15    cout << "Output is: " << Z;
16 }
17
```

The bottom part of the IDE is the terminal window, which shows the execution of the program. It displays the prompts and the user's input, followed by the output: 0.

```
Enter first number
2
Enter second number and value for taking modulus
3
6
Output is: 0
PS C:\Users\Lenovo\OneDrive\Desktop\c\c++ new\sort>
```

sort > code1.cpp > ...

```
1 //2)Find the output for this code. Let input:- 3 2
2
3 #include <iostream>
4 using namespace std;
5 int main()
6 {
7     int x;
8     cout<<"Enter first number\n";
9     cin>>x; // user will give 'x' a value.
10    int y;
11    cout<<"Enter second number\n";
12    cin>>y; // user will give 'y' a value.
13    cout<<(x!=y)<<" "<<(x>=y);
14 }
```

PROBLEMS

DEBUG CONSOLE

OUTPUT

PORTS

TERMINAL

```
o code1 } ; if ($?) { .\code1 }
Enter first number
3
Enter second number
2
1 1
```

> cd "c:\User

... Welcome code1.cpp X

sort > code1.cpp > ...
1 //3) Find the output for this code. Let input:- 2 3
2
3
4 #include <iostream>
5 using namespace std;
6 int main()
7 {
8 int x,y;
9 cin>>x>>y;
10 x+=y;
11 x-=y;
12 x%=y;
13 cout<<x;
14 }
15

PROBLEMS DEBUG CONSOLE OUTPUT PORTS TERMINAL

o code1 } ; if (\$?) { .\code1 }
2
3
2
> cd "c:\Users\Lenovo\OneDrive\De

sort > code1.cpp > main()

```
1
2 // 4)WAP for finding the volume of the cylinder by taking radius and height as input.
3
4 #include <iostream>
5 #include <cmath>
6 using namespace std;
7 int main() {
8     int volume=0,radius=0,height=0 ;
9     cout<<"enter radius value"<<endl;
10    cin>>radius;
11    cout<<"entet a heigt value"<<endl;
12    cin>>height;
13    volume = M_PI * radius * radius * height; //formula for volume of cylinder;
14    cout<< "volume of cylinder is "<<volume<<endl;
15
16
17    return 0;
18 }
```

PROBLEMS DEBUG CONSOLE OUTPUT PORTS TERMINAL

```
> cd "c:\Users\Lenovo\OneDrive\Desktop\c\c++ new\
o code1 } ; if ($?) { .\code1 }
enter radius value
20
entet a heigt value
5
volume of cylinder is 6283
```

...

Welcome

code1.cpp X

sort > code1.cpp > main()

```
1
2 // 5)WAP to find the difference between ASCII of two characters ,take them as input .
3
4 #include <iostream>
5 using namespace std;
6 int main() {
7     char char1,char2;
8     int diff;
9     cout<<"enter a value of char1 and char2"<<endl;
10    cin>>char1>>char2;
11    diff=int(char1)-int(char2);
12    cout<< " the difference between ASCII of two characters is :"<<diff<<endl;
13    return 0;
14
15 }
```

PROBLEMS

DEBUG CONSOLE

OUTPUT

PORTS

TERMINAL

```
> cd "c:\Users\Lenovo\OneDrive\Desktop\c\c++ ne
o code1 } ; if ($?) { .\code1 }
enter a value of char1 and char2
c
d
the difference between ASCII of two characters is :-1
PS C:\Users\Lenovo\OneDrive\Desktop\c\c++ ne
```

sort > code1.cpp > ...

```
1
2 //6) Find the output of the below code
3
4 #include <iostream>
5 using namespace std;
6 int main()
7 {
8     int i = ( 4 + 7 / 5 * 6 * 6+9 )% 100 ;
9     cout<<i;
10 }
```

PROBLEMS

DEBUG CONSOLE

OUTPUT

PORTS

TERMINAL

```
o code1 } ; if ($?) { .\code1 }
49
```

> cd "c:\Users\Le