```
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";</pre>
cin >> x; // user will give 'x' a value.
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;
Ans-
         Z = (2 * 3) \% 6 = 6 \% 6 = 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";</pre>
cin>>y; // user will give 'y' a value.
cout << (x!=y) << " " << (x>=y);
}
        x != y \text{ is true (1), since 3 } != 2.
Ans-
        x >= y \text{ is true (1), since } 3 >= 2.
      output- 11
Q3. Find the output for this code. Let input:- 23
#include <iostream>
using namespace std;
int main()
int x,y;
cin>>x>>y;
x+=y;
x-=y;
x\%=y;
cout<<x;
}
Ans-
```

 $x += y \rightarrow x = 2 + 3 = 5$ $x -= y \rightarrow x = 5 - 3 = 2$ $x \%= y \rightarrow x = 2 \% 3 = 2$

Output-2

```
Q4. WAP for finding the volume of the cylinder by taking radius and height as input.
Ans-
#include <iostream>
#include <cmath>
using namespace std;
int main() {
  double radius, height;
  cout << "Enter radius and height of the cylinder: ";
  cin >> radius >> height;
  double volume = M_PI * radius * radius * height;
  cout << "The volume of the cylinder is: " << volume << endl;
  return 0;
}
Q5. WAP to find the difference between ASCII of two characters ,take them as input.
Ans-
#include <iostream>
using namespace std;
int main() {
  char char1, char2;
  cout << "Enter two characters: ";
  cin >> char1 >> char2;
  int diff = abs(char1 - char2);
  cout << "The difference between ASCII values is: " << diff << endl;
  return 0;
}
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;
Ans-
7/5 = 1 (integer division)
1 * 6 * 6 = 36
4 + 36 + 9 = 49
49 % 100 = 49
Output-49
```