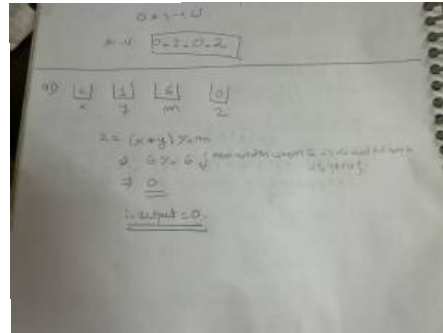


Assignment L2

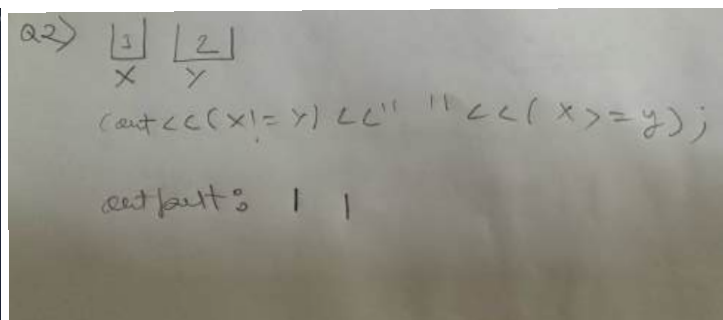
Q1) output is 0

```
1 // main.cpp
2 #include <iostream>
3 using namespace std;
4 int main()
5 {
6     int x;
7     cout << "Enter first number\n";
8     cin >> x; // user will give 'x' a value.
9     int y;
10    cout << "Enter second number and value for taking mod\n";
11    cin >> y; // user will give 'y' a value.
12    int z = x % y;
13    cout << "Output is: " << z;
14    return 0;
15 }
```



Q2) output is : 1 1

```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     int x;
6     cout << "Enter first number\n";
7     cin >> x; // user will give 'x' a value.
8     int y;
9     cout << "Enter second number\n";
10    cin >> y; // user will give 'y' a value.
11    cout << (x > y) << " " << (x < y);
12 }
```



Q3) output is 2

```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     int x, y;
6     cin >> x;
7     cin >> y;
8     x = x + y;
9     x = x - y;
10    cout << x;
11 }
```



Q4)

```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     int r, h;
6     cin >> r;
7     cin >> h;
8     v = 3.14 * r * h;
9     cout << v << endl;
10 }
```

Q5)

```
c++ > input > G diffbtwnascii.cpp > main()
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     char ch1, ch2;
6
7     // Taking two characters as input
8     cout << "Enter first character: ";
9     cin >> ch1;
10
11     cout << "Enter second character: ";
12     cin >> ch2;
13
14     // Calculating the difference between their ASCII values
15     int difference = ch1 - ch2;
16
17     // Displaying the result
18     cout << "The difference between ASCII values of " << ch1 << " and " <<
19     return 0;
20 }
21 }
```

```
Book-Air input % cd "/Users/dhruvsharma/Desktop/dhruv_coding/c++/input/" && g++ diffbtwnascii.cpp -o diffbtwnascii && "/Users/dhruvsharma/Desktop/dhruv_coding/c++/input/"diffbtwnascii
Enter first character:
a
Enter second character:
A
The difference between ASCII values of a and A is: 32
dhruvsharma@dhruvs-Mac
Book-Air input %
```

Q6)

```
c++ > input > G outputofcode.cpp > main()
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     int i = ( 4 + 7 / 5 * 6 * 6+9 )% 100 ;
6     cout<<i;
7 }
```

```
cBook-Air input % cd "/Users/dhruvsharma/Desktop/dhruv_coding/c++/input/" && g++ outputofcode.cpp -o outputofcode && "/Users/dhruvsharma/Desktop/dhruv_coding/c++/input/"outputofcode
49
dhruvsharma@dhruvs-Mac
cBook-Air input %
```

