

Accenture Sections	Information	Questions and Time
Cognitive Ability	<ul style="list-style-type: none">• English Ability• Critical Thinking and Problem Solving• Abstract Reasoning	50 Ques in 50 mins
Technical Assessment	<ul style="list-style-type: none">• Common Application and MS Office• Pseudo Code• Fundamental of Networking, Security and Cloud	40 Ques in 40 mins
Coding Round	<ul style="list-style-type: none">• C• C++• Dot Net• JAVA• Python	2 Ques in 45 mins

DEBUG WITH SHUBHAM

Accenture Technical Assessment Detailed Overview

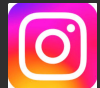
22-SEP-2024 Coding Question



<https://www.youtube.com/@DebugWithShubham>



<https://www.linkedin.com/in/debugwithshubham/>



<https://www.instagram.com/debugwithshubham/>

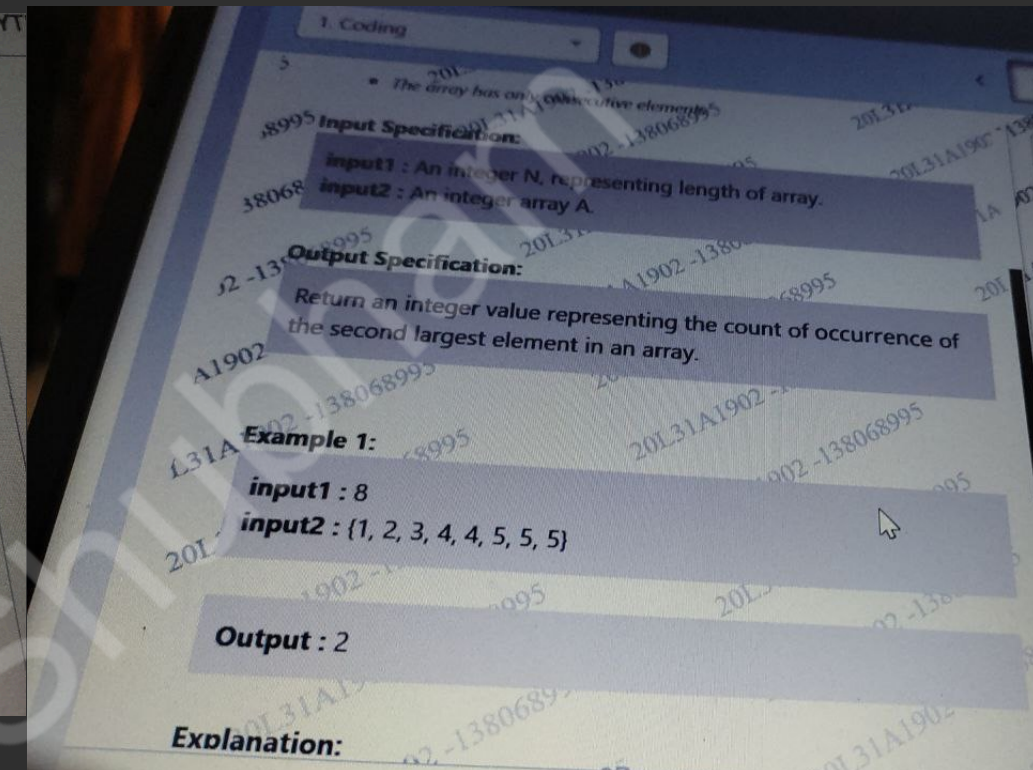
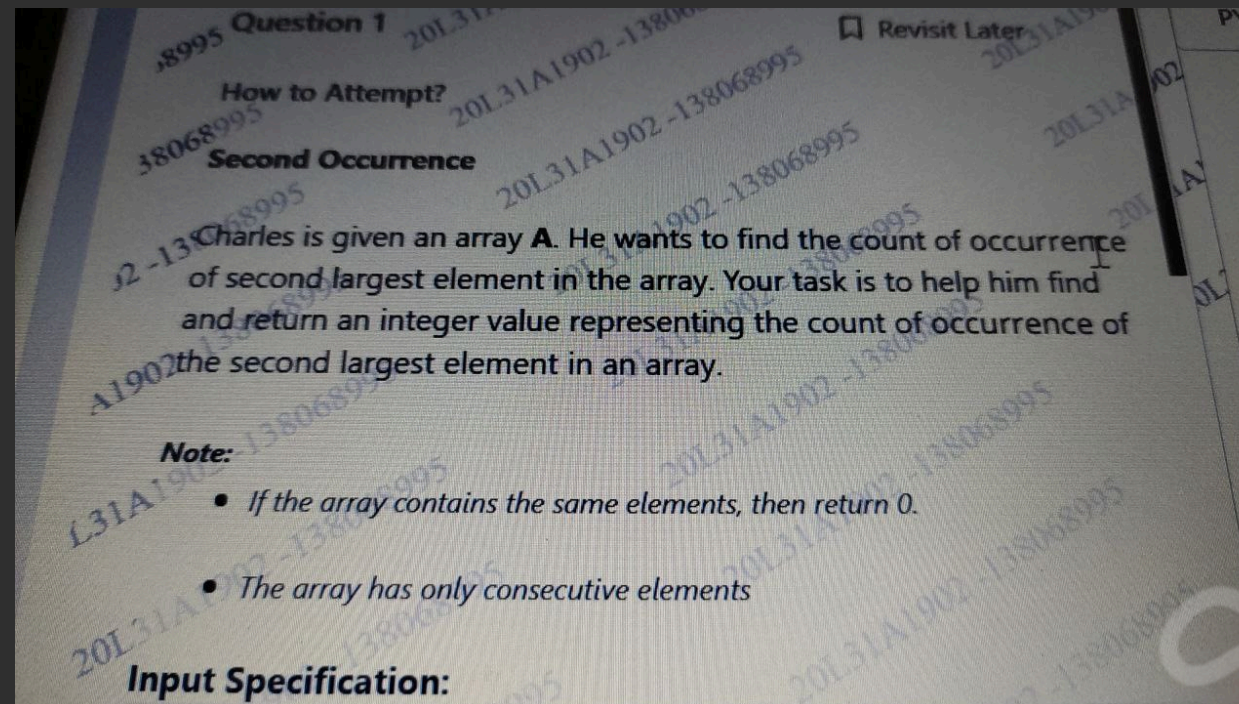


<https://topmate.io/debugwithshubham>



<https://t.me/debugwithshubham>

Question-1



Debug With

Use a Set for Uniqueness

PYTHON

```
main.py +
1 arr = [1, 2, 3, 4, 5, 5, 4]
2 n = len(arr)
3 s = list(set(arr))
4 maxa = s[-2]
5 cnt = 0
6 for i in range(n):
7     if arr[i] == maxa:
8         cnt += 1
9 print(cnt)
```

JAVA

```
Main.java
1 import java.util.*;
2 public class Main {
3     public static void main(String[] args) {
4         int[] arr = {1, 2, 3, 4, 5, 5, 4};
5         int n = arr.length;
6         Set<Integer> set = new HashSet<>();
7         for (int num : arr) {
8             set.add(num);
9         }
10        List<Integer> s = new ArrayList<>(set);
11        Collections.sort(s);
12        int maxa = s.get(s.size() - 2);
13        int cnt = 0;
14        for (int i = 0; i < n; i++) {
15            if (arr[i] == maxa) {
16                cnt++;
17            }
18        }
19        System.out.println(cnt);
20    }
21 }
22
```

C++

```
main.cpp
1 #include <iostream>
2 #include <vector>
3 #include <set>
4 #include <algorithm>
5 using namespace std;
6 int main() {
7     vector<int> arr = {1, 2, 3, 4, 5, 5, 4};
8     int n = arr.size();
9     set<int> s(arr.begin(), arr.end());
10    vector<int> sorted(s.begin(), s.end());
11    int maxa = sorted[sorted.size() - 2];
12    int cnt = 0;
13    for (int i = 0; i < n; i++) {
14        if (arr[i] == maxa) {
15            cnt++;
16        }
17    }
18    cout << cnt << endl;
19
20    return 0;
21 }
22
```


Sort the Array

PYTHON

```
main.py +
1 def count_second_largest(A):
2     A_sorted = sorted(A, reverse=True)
3     largest = A_sorted[0]
4     second_largest = None
5     for num in A_sorted:
6         if num < largest:
7             second_largest = num
8             break
9     if second_largest is None:
10        return 0
11    return A.count(second_largest)
12
13 A = [1,2,3,4,5,5,4]
14 output = count_second_largest(A)
15 print(output)
```

JAVA

```
Main.java
1 import java.util.*;
2
3 public class Main {
4     public static int countSecondLargest(int[] A) {
5         Integer[] A_sorted = Arrays.stream(A).boxed().toArray(Integer[]::new);
6         Arrays.sort(A_sorted, Collections.reverseOrder());
7         int largest = A_sorted[0];
8         Integer second_largest = null;
9         for (int num : A_sorted) {
10             if (num < largest) {
11                 second_largest = num;
12                 break;
13             }
14         }
15         if (second_largest == null) {
16             return 0;
17         }
18         int count = 0;
19         for (int num : A) {
20             if (num == second_largest) {
21                 count++;
22             }
23         }
24         return count;
25     }
26     public static void main(String[] args) {
27         int[] A = {1, 2, 3, 4, 5, 5, 4};
28         int output = countSecondLargest(A);
29         System.out.println(output);
30     }
31 }
```

C++

```
main.cpp
1 #include <iostream>
2 #include <vector>
3 #include <algorithm>
4 using namespace std;
5 int countSecondLargest(vector<int>& A) {
6     sort(A.begin(), A.end(), greater<int>());
7     int largest = A[0];
8     int second_largest = -1;
9     for (int num : A) {
10         if (num < largest) {
11             second_largest = num;
12             break;
13         }
14     }
15     if (second_largest == -1) {
16         return 0;
17     }
18     int count = 0;
19     for (int num : A) {
20         if (num == second_largest) {
21             count++;
22         }
23     }
24     return count;
25 }
26 int main() {
27     vector<int> A = {1, 2, 3, 4, 5, 5, 4};
28     int output = countSecondLargest(A);
29     cout << output << endl;
30     return 0;
31 }
```

Single Pass (Optimized Approach)

PYTHON

```
main.py +
1 def count_second_largest(A):
2     largest = second_largest = float('-inf')
3     count_second_largest = 0
4     for num in A:
5         if num > largest:
6             second_largest = largest
7             largest = num
8         elif largest > num > second_largest:
9             second_largest = num
10    if second_largest == float('-inf'):
11        return 0
12    count_second_largest = A.count(second_largest)
13    return count_second_largest
14 A = [1, 2, 3, 4, 5, 5, 4]
15 output = count_second_largest(A)
16 print(output)
17
```

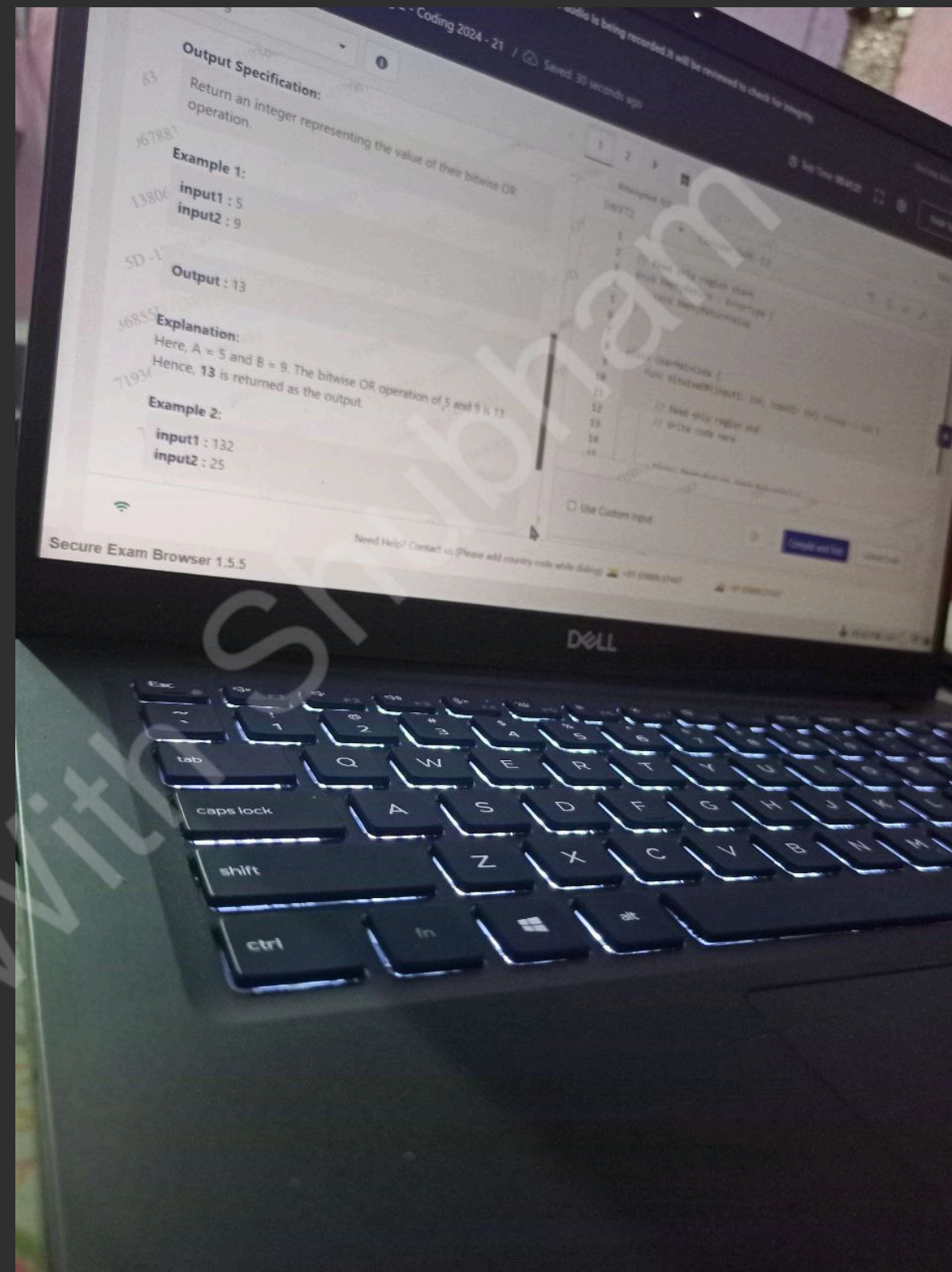
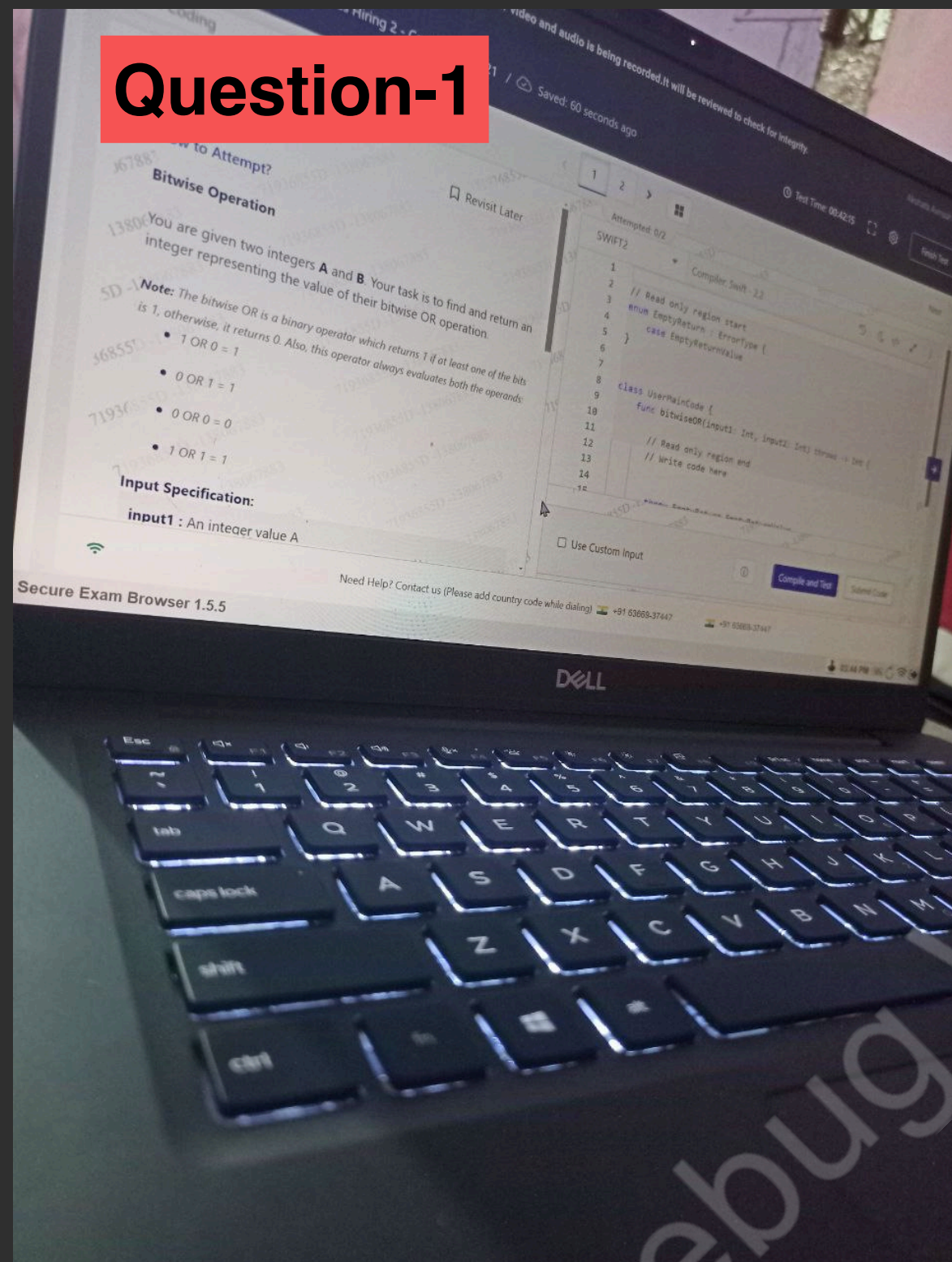
JAVA

```
Main.java
1 import java.util.*;
2 public class Main {
3     public static int countSecondLargest(int[] A) {
4         int largest = Integer.MIN_VALUE;
5         int second_largest = Integer.MIN_VALUE;
6         int count_second_largest = 0;
7         for (int num : A) {
8             if (num > largest) {
9                 second_largest = largest;
10                largest = num;
11            } else if (num > second_largest && num < largest) {
12                second_largest = num;
13            }
14        }
15        if (second_largest == Integer.MIN_VALUE) {
16            return 0;
17        }
18        for (int num : A) {
19            if (num == second_largest) {
20                count_second_largest++;
21            }
22        }
23        return count_second_largest;
24    }
25    public static void main(String[] args) {
26        int[] A = {1, 2, 3, 4, 5, 5, 4};
27        int output = countSecondLargest(A);
28        System.out.println(output);
29    }
30 }
```

C++

```
main.cpp
1 #include <iostream>
2 #include <vector>
3 #include <limits>
4 using namespace std;
5 int countSecondLargest(const vector<int>& A) {
6     int largest = numeric_limits<int>::min();
7     int second_largest = numeric_limits<int>::min();
8     int count_second_largest = 0;
9     for (int num : A) {
10        if (num > largest) {
11            second_largest = largest;
12            largest = num;
13        } else if (num > second_largest && num < largest) {
14            second_largest = num;
15        }
16    }
17    if (second_largest == numeric_limits<int>::min()) {
18        return 0;
19    }
20    for (int num : A) {
21        if (num == second_largest) {
22            count_second_largest++;
23        }
24    }
25    return count_second_largest;
26 }
27 int main() {
28     vector<int> A = {1, 2, 3, 4, 5, 5, 4};
29     int output = countSecondLargest(A);
30     cout << output << endl;
31     return 0;
32 }
```


Question-1



PYTHON

main.py



```
1 def add_using_or(a, b):  
2     return a | b  
3  
4 a = 5  
5 b = 9  
6 output = add_using_or(a, b)  
7 print(output)  
8
```

JAVA

Main.java

```
1 public class Main {  
2     public static int addUsingOr(int a, int b) {  
3         return a | b;  
4     }  
5     public static void main(String[] args) {  
6         int a = 5;  
7         int b = 9; /  
8         int output = addUsingOr(a, b);  
9         System.out.println(output);  
10    }  
11 }  
12
```

C++

main.cpp

```
1 #include <iostream>  
2 using namespace std;  
3 int addUsingOr(int a, int b) {  
4     return a | b;  
5 }  
6 int main() {  
7     int a = 5;  
8     int b = 9;  
9     int output = addUsingOr(a, b);  
10    cout << output << endl;  
11  
12    return 0;  
13 }  
14
```