Amazon OA1:

- **Appears K Times**: add ‘if(count == k) res = element;’ after the while loop;
- **Array Sum**: change ‘sum = arr[i]’ to ‘sum += arr[i]’
- **Check Armstrong**: change to ‘Math.pow(remainder, digitCount)’
- **Check Grade**: change two ‘||’ to ‘&&’
- **Check Palindrome**: change ‘result == sum’ to ‘result == temp’
- **Count A**: change ‘if(c == ‘a’ && c == ‘A’)’ to ‘if(c == ‘a’ || c == ‘A’)’
- **Count Days**: change to ‘(year % 4 == 0) && (year % 100 != 0) || (year % 400 == 0)’
- **Count Digits**: correct sentences:

```
int temp = num;
while(temp != 0) {
    temp = temp / 10;
    count++;
}
return (num % count);
```

- **Count Element**: correct for loop: for(int i = 0; i < len; i++) {

```
        if(arr[i] > doubleN) count++;
    }
```

- **Count Element Range**: change to ‘inputArray[i] >= low && inputArray[i] <= high’
- **Count Product**: correct for loop: for(j = 0; j < size; j++)
- **Count Occurrence**: missing i++ at the end of while loop
- **Distinct Element Count**: change ‘if(flag == 1)’ to ‘if(flag == 0)’
- **Distinct Num**: change ‘==’ to ‘!=’

- **Eliminate Vowel String**: delete ‘i++’ in default case
- **Get Digit Sum Parity / Count Num Parity / Digit Sum**: 1, change ‘if(result % 2 != 0)’ to ‘if(result % 2 == 0)’

  2, change ‘if(result == 0) return 0’ to ‘if(result == 0) return 1’

  3, change the order of ‘int temp = num % 10’ and ‘num = num/10’
- **Insertion Sort**: change to ‘if(arr[i – 1] > arr[i])’ and ‘while(j > 0 && arr[j – 1] > temp)’
- **Label Product**:

  Method 1: change to ‘str = productID.charAt(i) + str’

  Method 2: int i = productID.length() – 1; …; while(i >= 0) { …; i--;}
- **Manchester Array**: change result = (arr[i] == arr[i – 1]) to result = (arr[i] != arr[i – 1])
- **Matrix Sum**: change to ‘while(j < n) { sum += matrix[i][j++]; } i++;’
- **Median Value**: change ‘else arr[i] = arr2[i]’ to ‘else arr[i] = arr2[i – size]’
- **Merge Two Lists**: correct sentences:

```
else if(l1.val <= l2.val) {
    li.next = mergeTwoLists(l1.next, l2);
    return l1;
}
```

- **Print Character Pattern**: 1, move char ch = ‘a’ inside the for loop(?)

  2, change ‘ch++’ to ‘print++’.
- **Print Pattern / Even Odd Pattern**: outside for loop add ‘{}’
- **Remove Element**: change ‘arr[i++]’ to ‘arr[i+1]’
- **Remove Duplicate from Unsorted Array**: change to ‘k < length -1’
- **Replace Even / Odd Values**: change i <= len and j <= len to i < len and j < len

- **Reverse Number**: change to ‘reverseNum = reverseNum * 10 + remainder’
- **Reverse Array**: 1, change ‘arr[len – 1]’ to ‘arr[len – i – 1]’

  2, remove ‘len += 1’ at the end of the loop
- **Selection Sort**: in ascending order, change ‘arr[min] > arr[x]’ to ‘arr[min] > arr[y]’
- **Sort Array**: change max > arr[j] to max < arr[j]
- **Sum Distinct**: change the order of ‘int sum = inputArray[0]’ and ‘Arrays.sort(inputArray)’