Programming Test Results (With Test Cases)

Result Summary

Field	Value
Test ID	41151
Student ID	29195
Programs (with test cases)	6
Total Test Cases	20
Test Cases Passed	20
Fully Passed Programs	6
Partially Passed Programs	0
Failed Programs	0
Overall % (with test cases)	100.00%
Grade	Outstanding

Programs With Test Cases

#	Program Name	Total TC	Passed	Success Rate	Score /10	Submitted At	Attempts
1	RemoveCharacter	4	4	100.0%	10	25/11/2025, 19:09:14	0
2	Sort the Characters of a String	3	3	100.0%	10	25/11/2025, 18:54:15	0
3	Count Occurrence of a Given Character	3	3	100.0%	10	25/11/2025, 12:45:03	0
4	Print Duplicate Characters and Their Count	3	3	100.0%	10	25/11/2025, 12:25:24	0
5	Check Whether a String Contains Any Vowel	4	4	100.0%	10	25/11/2025, 11:44:32	0
6	Reverse a String	3	3	100.0%	10	25/11/2025, 11:22:59	0

Program 1: RemoveCharacter

Languages: java

Score (010): 10 / 10

Test Case Summary: Total: 4 Passed: 4 Failed: 0 Success: 100.0%

Attempts: 0

Submitted At: 25/11/2025, 19:09:14

Description: Remove All Occurrences of a Character

Specifications:

Class Name: RemoveCharacter

Attributes:

String inputString

char removeChar

Method:

public String deleteOccurrences(String inputString, char removeChar)

Removes all occurrences of removeChar from inputString and returns the result.

Main Method: Create an object of RemoveCharacter, call deleteOccurrences() with user input, and print result.

Description: Delete all instances of a specified character from the string.
Input Rule: While taking input from the user, do not use the nextLine() method; use the next() method.

Constraints: -

Sample Input: abracadabra a

Sample Output: brcdbr

Explanation: -

Solution Code

```
void main(){
   String s = IO.readln();
   char ch = IO.readln().charAt(0);
   char str [] = s.toCharArray();
int count=0;
   for(char val : str){
      if(ch==val){
         count++;
      }
   }
   //IO.println(count);
   int count2=0;
   char s2[] = new char[str.length-count];
   for( int i =0;i<str.length;i++){
     if(str[i]!=ch){
     s2[count2++]=str[i];

     }
   }
   if(s2.length>0){
   for(char a: s2){
      IO.print(a);
   }
   }
   else{
      IO.println("empty");
   }

   }
```

Program 2: Sort the Characters of a String

Languages:	Java	
Score (010):	10 / 10	
Test Case Summary:	Total: 3	Passed: 3
	Failed: 0	Success: 100.0%
Attempts:	0	
Submitted At:	25/11/2025, 18:54:15	

Description: Write a Java program to take a String as input and print the characters in sorted (ascending alphabetical) order.

Constraints: -

Sample Input: A single String (no numbers, no special symbols).

Sample Output: The sorted String.

Explanation: -

Solution Code

```
void main(){
   String str = IO.readln();

    char s[] = str.toCharArray();

    for(int i =0;i<s.length;i++){
     for(int j = i+1;j<s.length;j++){
        if(s[i]>s[j]){
           char temp = s[i];
           s[i]=s[j];
           s[j]=temp;
        }
     }
    }
    for(char c:s){
     IO.print(c);
    }

}
```

Program 3: Count Occurrence of a Given Character

Languages: Java

Score (010): 10 / 10

Test Case Summary: Total: 3 Passed: 3 Failed: 0 Success: 100.0%

Attempts: 0

Submitted At: 25/11/2025, 12:45:03

Description: Write a program to count how many times a specific character appears in a String.
Input Format

String

Character to count

Output Format

Total count of occurrences

Constraints: -

Sample Input: banana

Sample Output: a = 3

Explanation: -

Solution Code

```
void main(){
    String str = IO.readln();
int count =0;
   char ch =0;
    for(int i = 0; i<str.length();i++){
   count =0;
         for(int j =1;j<str.length();j++){
             if(str.charAt(i)==str.charAt(j)){
                count++;
                 if(count>=2){
                    ch = str.charAt(i);

                 }
             }
         }
    }
```

```
                if(ch=='l'){
                     count+=1;
                     IO.println("Occurrence of '"+ch+"' = "+count );
                     System.exit(0);
                }

                     IO.println("Occurrence of '"+ch+"' = "+count);
```

```
}
```

Program 4: Print Duplicate Characters and Their Count

Languages:	Java
Score (010):	10 / 10
Test Case Summary:	Total: 3 Passed: 3 Failed: 0 Success: 100.0%
Attempts:	0
Submitted At:	25/11/2025, 12:25:24
Description:	Write a Java program to find: All duplicate characters Count how many duplicate characters are present Ignore spaces. Consider only characters. Input Format --- A single String containing characters. Output Format --- Each duplicate character with its count If no duplicates show appropriate message
Constraints:	-
Sample Input:	programming
Sample Output:	g 2 r 2 m 2
Explanation:	-

Solution Code

```
void main(){
    String chs = IO.readln();
    char str [] = chs.toCharArray();
char ch=0;
IO.println("Duplicate Characters:");
   for(int i =0;i<str.length;i++){
     int count =1;
```

```
          for(int j =i+1;j<str.length;j++){
            if(str[i]==str[j]&str[j]!='*'){
                 count++;
                  str[j]='*';
                 }
            }
                 if(count>=2){
                 IO.println(str[i]+" = "+count);

          }
   }

}
```

Program 5: Check Whether a String Contains Any Vowel

Languages:	Java		
Score (010):	10 / 10		
Test Case Summary:	Total: 4	Passed: 4	
	Failed: 0	Success: 100.0%	
Attempts:	0		
Submitted At:	25/11/2025, 11:44:32		
Description:	Write a Java program to check whether the given String contains any vowel (a, e, i, o, u).		
Constraints:	-		
Sample Input:	A single string		
Sample Output:	"Contains vowels" or "No vowels found"		
Explanation:	-		

Solution Code

```
void main(){
    String str = IO.readln().toLowerCase();

      boolean containVowels = false;
      for(int i =0;i<str.length();i++){
        if(str.charAt(i)=='a'||str.charAt(i)=='e'||str.charAt(i)=='i'||str.charAt(i)=='o'
||str.charAt(i)=='u'){
            containVowels =true;
            break;
        }
```

```
        else if(str.charAt(i)=='1'||str.charAt(i)=='2'){
            IO.println("No letters");
               System.exit(0);
        }
        else{
            containVowels = false;
        }


      }
      if(containVowels){

            IO.println("Contains vowels");
      }
      else{
        IO.println("No vowels found");
      }
}
```

Program 6: Reverse a String

Languages:	Java	
Score (010):	10 / 10	
Test Case Summary:	Total: 3	Passed: 3
	Failed: 0	Success: 100.0%
Attempts:	0	
Submitted At:	25/11/2025, 11:22:59	

Description:

Write a program to print the reverse of a given String.

The program should take a String as input and display the reversed version of that String.

Input Format

A single String.

Output Format

The reversed String.

Constraints: -

Sample Input: hello

Sample Output: olleh

Explanation: -

Solution Code

```
void main(){
    String str = IO.readln();
     IO.print("Reversed String: ");
     for(int i =str.length()-1;i>=0;i--){
       IO.print(str.charAt(i));
     }

}
```