Programming Test Results (With Test Cases)

Result Summary

Field	Value
Test ID	41151
Student ID	29196
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	11/25/2025, 10:45:33 PM	0
2	Sort the Characters of a String	3	3	100.0%	10	11/25/2025, 9:59:03 PM	0
3	Count Occurrence of a Given Character	3	3	100.0%	10	11/25/2025, 9:38:44 PM	0
4	Check Whether a String Contains Any Vowel	4	4	100.0%	10	11/25/2025, 7:38:03 PM	0
5	Print Duplicate Characters and Their Count	3	3	100.0%	10	11/25/2025, 12:40:46 PM	0
6	Reverse a String	3	3	100.0%	10	11/25/2025, 11:44:38 AM	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: 11/25/2025, 10:45:33 PM

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 str=IO.readln();

 char ch=IO.readln().charAt(0);
 StringBuffer result=new StringBuffer();
 for(char c:str.toCharArray()){
    if(c!=ch){
        result.append(c);
    }
 }
 if(result.length()>0)
 IO.println(result);
 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:	11/25/2025, 9:59:03 PM		
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 ch[]=str.toCharArray();
    for(int i=0;i<ch.length;i++){
        for(int j=i+1;j<ch.length;j++){
```

```
            if(ch[i]>ch[j]){
                char temp=ch[i];
                ch[i]=ch[j];
                ch[j]=temp;
            }
        }
    }
    IO.print(new String(ch));
}
```

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: 11/25/2025, 9:38:44 PM

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().toLowerCase();
char ch=IO.readln().charAt(0);
int count=0;

for(int i=0;i<str.length();i++){
```

```
    if(str.charAt(i)==ch){
        count++;
    }
  }
   IO.println("Occurrence of '"+ch+"' = "+count);

}
```

Program 4: 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:	11/25/2025, 7:38:03 PM	
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();
    boolean isvowel=false;
    for(char c:str.toLowerCase().toCharArray()){
     if(c=='a'||c=='e'||c=='o'||c=='i'||c=='u'){

       IO.println("Contains vowels");
       isvowel=true;
       break;


      }
    }
    for(char c:str.toLowerCase().toCharArray()){
        if(!(c>='a')||!(c<='z')){
            IO.println("No letters");
```

```
            System.exit(0);
        }
    }
  if(isvowel==false){
    IO.println("No vowels found");
  }

}
```

Program 5: 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:	11/25/2025, 12:40:46 PM	

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 str=IO.readln();
char []ch = str.toCharArray();

IO.println("Duplicate Characters:" );
for(int i=0;i<ch.length;i++)

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

 }
```

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: 11/25/2025, 11:44:38 AM

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));
    }


}
```