



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));
    }

}
```