

Programming Test Results (With Test Cases)

Result Summary

Field	Value
Test ID	41155
Student ID	29195
Programs (with test cases)	4
Total Test Cases	17
Test Cases Passed	17
Fully Passed Programs	4
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	Check if a String is a Palindrome	5	5	100.0%	10	26/11/2025, 17:55:42	0
2	Frequency of Each Character	6	6	100.0%	10	26/11/2025, 14:04:07	0
3	Count Uppercase & Lowercase Letters	3	3	100.0%	10	26/11/2025, 13:23:20	0
4	Check Whether String Contains Digit	3	3	100.0%	10	26/11/2025, 13:20:36	0

Program Details (With Test Cases)

Program 1: Check if a String is a Palindrome

Languages: Java

Score (010): 10 / 10

Test Case Summary: Total: 5 Passed: 5
Failed: 0 Success: 100.0%

Attempts: 0

Submitted At: 26/11/2025, 17:55:42

Description: Write a program to check whether a given String is a palindrome or not.

Input Format

A single String s

Output Format

Print "Palindrome" if string reads same forward & backward

Else print "Not Palindrome"

If input is empty print "Invalid Input"

Constraints: -

Sample Input: 1 length of string 1000 Case-sensitive comparison

Sample Output: madam

Explanation: Palindrome

Solution Code

```
void main(){
    String str = IO.readLine();
    int len=str.length()-1;
    if(str.isEmpty()){
        IO.print("Invalid Input");
    }else{
        boolean isPal=true;
        for(int i =0;i<=len/2;i++){
            char c = str.charAt(i);
            if(c!=str.charAt(len-i))
            {
                isPal=false;
            }
        }
    }
}
```

```

        break;
    }
}
if(isPal)
{
    IO.print("Palindrome");
}else
{
    IO.print("Not Palindrome");
}}
}

```

Program 2: Frequency of Each Character

Languages: Java

Score (010): 10 / 10

Test Case Summary: Total: 6 Passed: 6
Failed: 0 Success: 100.0%

Attempts: 0

Submitted At: 26/11/2025, 14:04:07

Description: Write a program to count the frequency of each character in a String.

Input Format

One String input

Output Format

Print each character and its frequency in separate lines

If input empty print "Invalid Input"

Constraints: Case-sensitive Include spaces and special characters in counting

Sample Input: hello world

Sample Output: h : 1 e : 1 l : 3 o : 2 : 1 w : 1 r : 1 d : 1

Explanation: NOTE :- For Empty String validation you have to use trim() method

Solution Code

```

void main(){
    String ch = IO.readLine();
    char str []= ch.toCharArray();

```

```

        if(ch.isEmpty()){
            IO.print("Invalid Input");
            System.exit(0);
        }
        else{

//ap*le
        for(char a : str){
            int count = 0;
            for(int j=0;j<str.length;j++){
                if(a==str[j]){
                    count++;
                    str[j]='*';
                }
            }
            if(a!='*'){
                IO.println(a+" : "+count);
            }
        }
        /*for(char a:str)
        {
            IO.println(a);
        }*/
    }
}

```

Program 3: Count Uppercase & Lowercase Letters

Languages: Java

Score (010): 10 / 10

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

Attempts: 0

Submitted At: 26/11/2025, 13:23:20

Description: Write a program to count and print number of uppercase and lowercase letters in a string.

Input Format :

One string input

Output Format :

OnUppercase : x

Lowercase : y

If no letters print "No alphabets found"

If input empty "Invalid Input"

Constraints: Consider only English alphabets

Sample Input: Hello World

Sample Output: Uppercase : 2 Lowercase : 8

Explanation: NOTE : for empty String validation use trim()

Solution Code

```
void main(){
    String str = IO.readLine();
    int small=0;

    int capital= 0;
    for(int i =0;i<str.length();i++){
        if(str.charAt(0)==' '){
            IO.println("Invalid Input");
            System.exit(0);
        }
        if((str.charAt(i)>='A') &&( str.charAt(i)<='Z')){
            capital++;
        }
        else if((str.charAt(i)>='a') && (str.charAt(i)<='z')){
            small++;
        }

    }
    if(!(small==0||capital==0)){
        IO.println("Uppercase : "+capital);
        IO.println("Lowercase : "+small);
        System.exit(0);
    }

    IO.println("No alphabets found");
}
```

Program 4: Check Whether String Contains Digit

Languages: Java

Score (010): 10 / 10

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

Attempts: 0

Submitted At: 26/11/2025, 13:20:36

Description: Write a program to check whether the given String contains any digit.

Input Format

A single String input

Output Format

"Contains Digit" if digit found

"No Digit" if digit not found

"Invalid Input" if empty string

Constraints: Length 200 Use String methods only

Sample Input: Hello123

Sample Output: Contains Digit

Explanation: NOTE : For Empty String validation Use trim()

Solution Code

```
void main(){
    String str = IO.readLine();
    boolean isValid =false;
    for(int i =0;i<str.length();i++){
        if(str.charAt(0)==' '){
            IO.println("Invalid Input");
            System.exit(0);
        }
        if((str.charAt(i)>='0')&&(str.charAt(i)<='9')){
            isValid = true;
        }
        else{

```

```
        isValid =false;
    }
}
if(isValid){

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