Js task Using Ternary Operator

Problem 1

Given a variable `score`, use a ternary operator to determine the performance level: – `"Excellent"` if score is 90 or above,
– "Good" if `score` is between 60 and 89,
– "Needs Improvement" if `score` is below 60.

Test Cases:

1. **Input:** score= 95
   Expected Output: ""Excellent""

2. **Input:** score = 75
   Expected Output: "Good"

3. **Input**: score= 50
   Expected Output: "Needs Improvement"

```
COde:
var score =0;
  score >= 90
 ? console.log("Excellent")
 : score >= 60
 ? console.log("good")
 : console.log("need Improvement");
```

Problem 2

Given a variable `day` use a ternary operator to check if it's a weekend:
– "Weekend" if `day` is "Saturday" or "Sunday",
– "Weekday for any other day.

Test Cases:

1. **Input:**day= Saturday
   Expected: Output:* "Weekend

2. **Input:** day= Monday
   Expected Output: ""Weekday""

3. **Input:** day = "Sunday"
   Expected Output: "Weekend

```
Code:
var day = "SunDay";

day == "SaturDay" || day == "SunDay"
  ? console.log("WeekEnd")
  : day == "MonDay" ||
    day == "TuesDay" ||
    day == "WedNesDay" ||
    day == "ThursDay"
  ? console.log("WeekDAy")
  : console.log("Enter Day Properly");
```

Problem 3

Given a string `inputstring`, use the ternary operator to check if it is a palindrome. A string is considered a palindrome if it reads the same forwards and backwards.

– Output:"Palindrome" if the string is a palindrome,
– Not a Palindrome` otherwise.

Test Cases:

1. Input: inputString ="madam"
Expected Output: "Palindrome""

2. Input: inputString = "hello"
Expected Output: "Not a Palindrome

3.Input: inputString = "racecar"
Expected Output: "Palindrome"

4. Input: inputString = "world"
Expected Output: "Not a Palindrome"

```
Code:
var inputString = "madam";
var output = "";
for (i = inputString.length - 1; i >= 0; i--) {
  output += inputString[i];
}
inputString == output
  ? console.log(`${inputString} is a Palindrome.`)
  : console.log(`${inputString} is not a Palindrome`);
```

Problem 4

Input: HELLO
Output:
H
HE
HEL HELL
HELLO

```
Code:
var str = "HELLO";
var output = "";
for (i = 0; i < str.length; i++) {
  output += str[i];
  console.log(output);
}
```