

# DOCUMENT

**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;**

**Input: 'score=95'**

**Expected output: 'Excellent'**

**Input: 'score=75'**

**Expected output: 'good'**

**Input: 'score=50'**

**Expected output: 'need improvement'**

**CODE;**

```
var performance Level(score) {
```

```
  return score >= 90? "Excellent":
```

```
  score >= 60? "good":
```

```
  "Needs improvement";
```

```
}
```

```
console.log (performance Level (95));
```

```
console.log (performance Level (75));
```

```
console.log (performance Level (50));
```

**2) Given a variable 'day'. use a ternary operator to check if it's a weekend:**

**"weekend" if 'day' is 'Saturday' or 'Sunday',**

**"weekend" for any other day**

**Test cases;**

**Input: 'day=Saturday'**

**Expected output: 'weekend'**

**Input: 'score=Monday'**

**Expected output: 'weekend'**

**Input: 'score=Sunday'**

**Expected output: 'weekend'**

**CODE;**

```
var check Weekend(day) {
```

```
  return (day === 'Saturday' || day === 'Sunday')? "weekend": "not weekend";
```

```
}
```

```
console.log (check Weekend('Saturday'));
```

```
console.log (check Weekend('Monday'));
```

```
console.log (check Weekend('Sunday'));
```

**3) Given a string 'input string'. use a ternary operator to check if it's 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;**

**Input: 'input string=madam'**

**Expected output: 'palindrome'**

**Input: 'input string=hello'**

**Expected output: 'Not a palindrome'**

**Input: 'input string=racecar'**

**Excepted output: 'palindrome'**

**Input: 'input string=world'**

**Excepted output: 'Not a palindrome'**

**CODE:**

```
var isPalindrome(input String) {  
  const reversedString = inputString.split("").reverse().join("");  
  return inputString === reversedString? "Palindrome": "Not a palindrome";  
}
```

Test cases;

```
console.log(isPalindrome('madam'));  
console.log(isPalindrome('hello'));  
console.log(isPalindrome('racecar'));  
console.log(isPalindrome('world'));
```

**4)Input: HELLO**

**Output:**

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**HEL**

**HELL**

**HELLO**

**CODE;**

```
var printIncremental(input) {  
  let result = "";  
  for (let i = 0; i < input.length; i++) {  
    result += input[i];  
    console.log(result);  
  }  
}  
  
printIncremental('HELLO');
```