

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 68 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 58

****Expected Output:**** "Needs Improvement"

```
var score = 59;
var res =
  score >= 90
    ? "Excellent"
    : score >= 60 && score <= 89
    ? "Good"
    : score < 60
    ? "Needs Improvement"
    : "Invalid Score";
console.log(res);
```

Output:

```
PS D:\10k\HTML\js> node ternary.js
Needs Improvement
PS D:\10k\HTML\js> |
```

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"

```
var day = "tuesday";  
(day == "sunday" || day == "saturday")? console.log("weekend"): console.log("weekday");
```

Output:

```
PS D:\10k\HTML\js> node ternary.js  
weekday  
PS D:\10k\HTML\js>
```

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"

****Input:**** inputString = "racecar"

3. ****Expected Output:**** "Palindrome"

. Input: inputString = "world" 4

****Expected Output:** "Not a Palindrome"

```
inputstr="wow"  
str1=""  
for(i=inputstr.length-1;i>=0;i--){  
    str1=str1+inputstr[i]  
}  
(str1==inputstr)?console.log("palindrome"):console.log("not a palindrome");
```

Output:

```
PS D:\10k\HTML\js> node ternary.js  
palindrome  
PS D:\10k\HTML\js>
```

Problem 4

Input: HELLO

Output:

H

HE

HELL

HELLO

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

Output:

```
PS D:\10k\HTML\js> node terinary.js  
H  
HE  
HEL  
HELL  
HELLO  
PS D:\10k\HTML\js> 
```