

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 the score is below 60.

Input:

Score: 95

Output: Excellent

Score: 75

Output: Good

Code:

```
var score = 95;
(score >= 90)
  ? console.log("excellent")
  : (60 <= score && score <= 89)
  ? console.log("good")
  : console.log("needs improvement")
```

Excellent

Code:

```
var score = 75;
(score >= 90)
  ? console.log("excellent")
  : (60 <= score && score <= 89)
  ? console.log("good")
  : console.log("needs improvement")
```

good

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.

Input:

day=saturday

output: weekend

Input

day=monday

output: weekday

Code:

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

Weekday

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

Weekend

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

Input inputstring = "madam"

Output: palindrome

Input inputstring = "hello"

Output: not a palindrome

Code:

```
var x = "malayalam";
var y = "";
for (i = x.length - 1; i >= 0; i--) {
  y = y.concat(x[i]);
}

(x==y)
  ? console.log(`${x} is palindrome`)
  : console.log(`${x} is not palindrome`);
```

Output:

malayalam is palindrome

Code:

```
var x = "world";
var y = "";
for (i = x.length - 1; i >= 0; i--) {
  y = y.concat(x[i]);
}

(x==y)
  ? console.log(`${x} is palindrome`)
  : console.log(`${x} is not palindrome`);
```

Output:

world is not palindrome

4. Input: HELLO

Output:

H

HE

HEL

HELL
HELLO
Code:

```
var x="HELLO"  
var y=""  
for(i=0;i<=x.length-1;i++){  
    y=y.concat(x[i]);  
    console.log(y);  
}
```

Output:

H
HE
HEL
HELL
HELLO