



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"



Answer:

```
var score = 50;
```

```
score >= 90 ? console.log("Excellent"): score >= 60? console.log("Good")  
: console.log("Needs Improvement");
```

Output: "Needs 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"



Answer:

```
var day = "monday";
```

```
(day == "saturday" || day == "sunday") ? console.log("Weekend")  
: console.log("Weekday");
```

output: "Weekday"



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"



Answer:

```
var inputString = "madam";
var a = inputString[0];
var b = inputString.split("").pop();

(a == b) ? console.log("Palindrome") : console.log("Not a
Palindrome");
output: "Palindrome"
```



Problem 4

Input: HELLO

Expected Output:

H

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HEL HELL

HELLO



Answer:

```
var str = "HELLO";
```

```
var op = "";
```

```
for (i = 0; i ≤ str.length - 1; i++) {
```

```
    op += str[i];
```

```
    console.log(op);
```

```
}
```

output:

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HELL

HELLO