

Recursion - Take Home Problems

Do the given problems using JavaScript.

1. Write a Program to input a string and check if it's palindrome in nature or not using recursion.

Example: ParttraP is a palindrome word while Apple is not a palindrome word.

2. Write a Program to convert Decimal Number (BASE 10) TO Binary Number (BASE 2).

Example: Input : (2)₁₀

Output: (010)₂

- 3. Write a Program to print all permutations of an array.
- 4. Write a Program to return the count of the occurrences of d as a digit for n number using recursion.

Example:- Input: n = 86487 d = 8

Output: 2

5. Write a Program to print a Pascal's Triangle.