class SearchSuggestionSystem {

constructor(products) {

this.products = products.sort();

}

getSuggestions(searchWord) {

let result = [];

let prefix = "";

for (let char of searchWord) {

prefix += char;

let suggestions = this.products.filter(product => product.startsWith(prefix));

result.push(suggestions.slice(0, 3));

}

return result;

}

}

const products = ["mobile", "mouse", "moneypot", "monitor", "mousepad"];

const searchWord = "mouse";

const searchSystem = new SearchSuggestionSystem(products);

console.log(searchSystem.getSuggestions(searchWord));