

## REACT FRONT END DEVELOPMENT

### ***1. Write a function askQuestion and display the cancellation?***

#### **Soln:**

```
function askQuestion(question) {  
    var userAnswer = prompt(question);  
    if (userAnswer !== null) {  
        if (userAnswer.toLowerCase() === "paris") {  
            alert("Correct! Paris is the correct answer.");  
        } else {  
            alert("Wrong answer. The correct answer is Paris.");  
        }  
    } else {  
        alert("You cancelled the question.");  
    }  
}  
askQuestion("What is the capital of France?");
```

#### **Output:**

The correct answer is Paris.

### ***2. Write a javascript for loops to identify and display the capital planet and animal.***

#### **Soln:**

```
function askQuestions() {  
    for (var i = 0; i < questions.length; i++) {  
        var userAnswer = prompt(questions[i].question);  
        if (userAnswer !== null) {  
            if (userAnswer.toLowerCase() === questions[i].answer.toLowerCase()) {  
                alert("Correct! That's the right answer.");  
            } else {  
                alert("Wrong answer. The correct answer is: " + questions[i].answer);  
            }  
        } else {  
            alert("You cancelled the quiz.");  
            break;  
        }  
    }  
    alert("End of the quiz. Thanks for playing!");  
}  
askQuestions();
```

**Output:**

The correct answer is "Paris","Mars","Blue whale".

**3. Write a javascript modules that contains a function to calculate the area of rectangle ?****Soln:**

Module: rectangle.js

```
export function calculateRectangleArea(length, width) {  
    return length * width;}  
  
import { calculateRectangleArea } from './rectangle.js';  
  
const length = 10;  
const width = 5;  
  
const area = calculateRectangleArea(length, width);  
console.log(`The area of the rectangle is: ${area}`);
```

**output:**

The area of the rectangle is: 50

**4. Write a javascript function that checks if a given email address is specific domain?****Soln:**

```
function isEmailFromDomain(email, domain) {  
    const extractedDomain = email.split('@')[1];  
    "Check if the extracted domain matches the specified domain"  
    return extractedDomain === domain;}  
  
const email1 = "user@example.com";  
const email2 = "anotheruser@gmail.com";  
console.log(isEmailFromDomain(email2, "gmail.com"));
```

**Output:** true

```
console.log(isEmailFromDomain(email2, "yahoo.com"));
```

**Output:** false

In the above code, isEmailFromDomain function takes an email address and extracts the domain using split and checks if it matches the specific domain and display the result.

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**BE CSE AIML (II YEAR)**

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