

## 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);  
      }  
    }  
  }  
}
```

```
        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 displays the result.

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**BE CSE AIML (II YEAR)**

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