ASSIGNMENT-1 REACT.

1.Write a function askQuestion and display the cancellation?

Soln:

// Function that asks a question and provides an answer

function askQuestion(question) {

// Ask the question

var userAnswer = prompt(question);

// Check the user's answer

if (userAnswer !== null) {

if (userAnswer.toLowerCase() === "paris") {

// Correct answer

alert("Correct! Paris is the correct answer.");

} else {

// Incorrect answer

alert("Wrong answer. The correct answer is Paris.");

}} else {

// Handle the case where the user clicks Cancel

alert("You cancelled the question.");

}}

// Call the function with a specific 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 to ask questions and provide feedback

function askQuestions() {

// Loop through each question in the array

for (var i = 0; i < questions.length; i++) {

// Ask the current question

var userAnswer = prompt(questions[i].question);

// Check the user's answer

if (userAnswer !== null) {

if (userAnswer.toLowerCase() === questions[i].answer.toLowerCase()) {

// Correct answer

alert("Correct! That's the right answer.");

} else {

// Incorrect answer

alert("Wrong answer. The correct answer is: " + questions[i].answer);

}

} else {

// Handle the case where the user clicks Cancel

alert("You cancelled the quiz.");

break; // Exit the loop if the user cancels

} }

// Alert to indicate the end of the quiz

alert("End of the quiz. Thanks for playing!");

}

// Call the function to start the quiz

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 emailaddress and extracts the domain using split and checks if it matches the specific domain and display the result.