1)Write a function in JavaScript that takes an array of integers and returns the sum of all

even numbers in the array

Asn:-

sumEvenNumbers(arr) {

let sum = 0;

for (let i = 0; i < arr.length; i++) {

if (arr[i] % 2 === 0) {

sum += arr[i];

}

}

return sum;

}

2)Implement a REST API endpoint using Node.js and Express.js that receives a JSON

payload with a username and password and returns a JSON response indicating

whether the provided credentials are valid or not.

Ans :-

3)Write a function in React that takes an array of strings and displays each string as a

separate list item in an unordered list element

Ans:-

import React from 'react';

function ListItems(props) {

const { items } = prop

const listItems = items.map((items) =>

<li>{item}</li>

);

return (

<ul>

{listItems}

</ul>

);

}

4)Implement a MongoDB schema for a blog post that includes fields for the title, author,

content, and publication date of the post. The schema should also include validation to

ensure that the title and content fields are not empty.

Ans :-

5)Write a function in Node.js that reads a file from the filesystem and returns a Promise

that resolves with the file's contents as a string. The function should handle errors that

may occur when reading the file.

Ans:-