## Question 1

## Part A

```
function sumArray(arr) {
    let sum = 0;
    arr.forEach(element => {
        sum += element;
    });
    return sum;
}

function productArray(arr) {
    let product = 1;
    arr.forEach(element => {
        product *= element;
    });
    return product;
}

let arr = [1, 2, 3, 4, 5];
console.log("Sum of array: " + sumArray(arr));
console.log("Product of array: " + productArray(arr));
```

## Output:

```
q1a.js - Lab Exam - Visual Studio Code
                                                                           🧕 boy@Husky: /mnt/u/6th Sem × + ∨
⋈ Welcome
                                                                          boy@Husky:~$ cd /mnt/u/6th\ Semester/Full\ Stack\ Web\ Development/Lab
JS q1a.js > [⊘] arr

1 function sumArray(arr) {
                                                                          /Lab\ Exam/
                                                                          boy@Husky:/mnt/u/6th Semester/Full Stack Web Development/Lab/Lab Exam$
           let sum = 0;
arr.forEach(element => {
                                                                           ls
Wongo qla.js qlb.js
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           sum += element;
});
return sum;
                                                                          boy@Husky:/m
                                                                                                             mester/Full Stack Web Development/Lab/Lab Exam$
                                                                           node qla.js
                                                                          Sum of array: 15
Product of array: 120
       function productArray(arr) {
  let product = 1;
  arr.forEach(element => {
     product *= element;
  });
  return product;
                                                                          boy@Husky:/mnt/u/6th Semester/Full Stack Web Development/Lab/Lab Exam$
                                                                          boy@Husky:/mnt/u/6th Semester/Full Stack Web Development/Lab/Lab Exam$
      let arr = [1, 2, 3, |h, 5];
console.log("Sum of array: " + sumArray(arr));
console.log("Product of array: " + productArray(arr));
```

## Part c

./src/components/NavBar.js

```
import React from 'react'
import { Link } from "react-router-dom";
import './navbar.css';
import { Navbar, Container, Nav } from 'react-bootstrap';
export default function NavBar() {
    return (
        <Navbar bg="light" expand="lg">
            <Container>
                <Navbar.Toggle aria-controls="basic-navbar-nav" />
                <Navbar.Collapse id="basic-navbar-nav">
                    <Nav className="me-auto">
                        <Link className='flex' to="/">Home</Link>
                        <Link className='flex' to="about">About</Link>
                        <Link className='flex' to="contact">Contact</Link>
                    </Nav>
                </Navbar.Collapse>
            </Container>
        </Navbar>
```

./src/pages/About.js

./src/pages/Contact.js

```
import React from 'react'
```

./src/Home.js



