

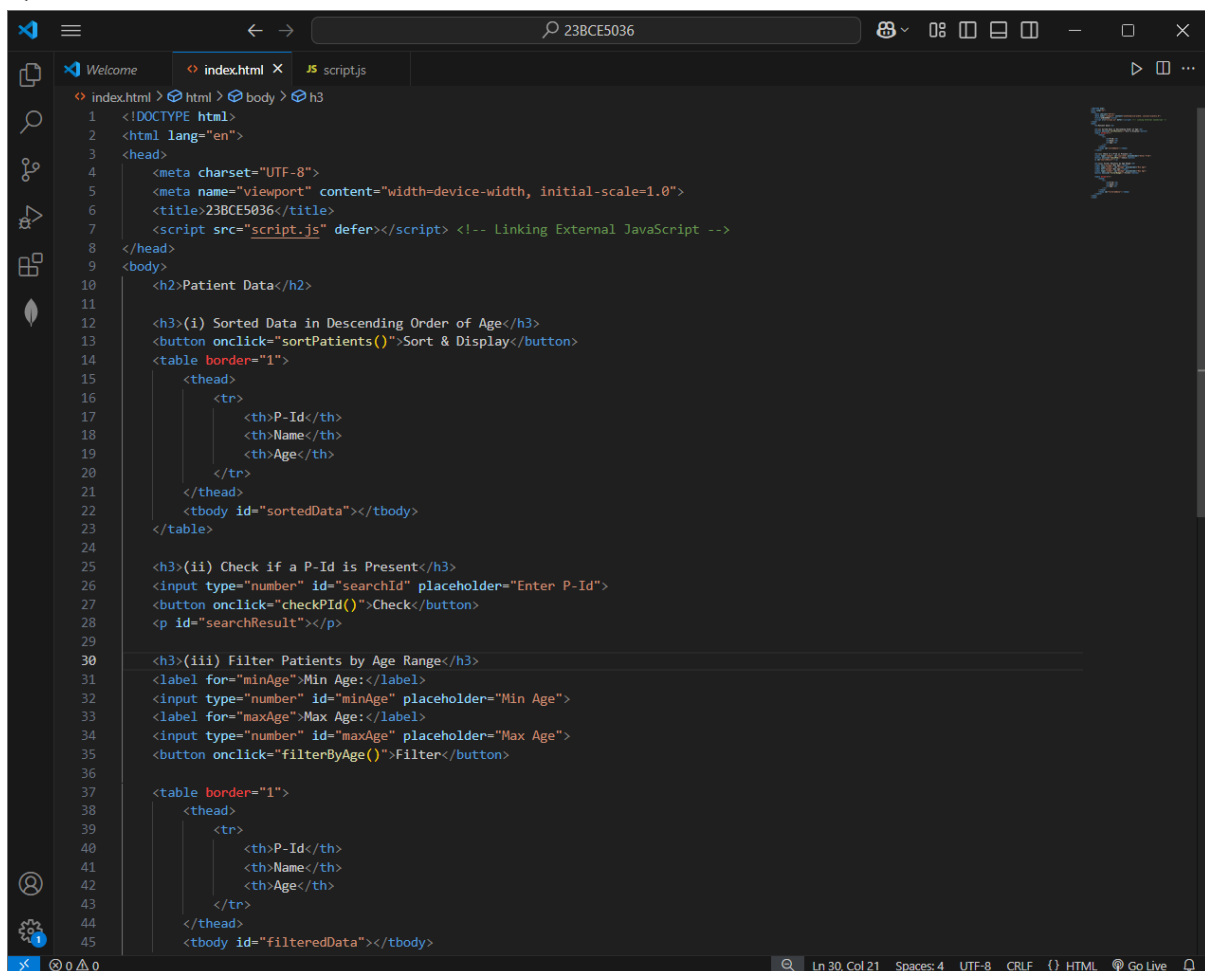
Programme	: B.Tech.	Semester	: Winter24-25
Course	: BCSE203E: Web Programming Lab	Slot	: TE1/TE2
Faculty	: Dr. LM Jenila Livingston	Marks	: 10

Name: Sara Arora

Register no. 23BCE5036

## Exercise-10

### Question-1



```

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>23BCE5036</title>
7      <script src="script.js" defer></script> <!-- Linking External JavaScript -->
8  </head>
9  <body>
10     <h2>Patient Data</h2>
11
12     <h3>(i) Sorted Data in Descending Order of Age</h3>
13     <button onclick="sortPatients()">Sort & Display</button>
14     <table border="1">
15         <thead>
16             <tr>
17                 <th>P-Id</th>
18                 <th>Name</th>
19                 <th>Age</th>
20             </tr>
21         </thead>
22         <tbody id="sortedData"></tbody>
23     </table>
24
25     <h3>(ii) Check if a P-Id is Present</h3>
26     <input type="number" id="searchId" placeholder="Enter P-Id">
27     <button onclick="checkPid()">Check</button>
28     <p id="searchResult"></p>
29
30     <h3>(iii) Filter Patients by Age Range</h3>
31     <label for="minAge">Min Age:</label>
32     <input type="number" id="minAge" placeholder="Min Age">
33     <label for="maxAge">Max Age:</label>
34     <input type="number" id="maxAge" placeholder="Max Age">
35     <button onclick="filterByAge()">Filter</button>
36
37     <table border="1">
38         <thead>
39             <tr>
40                 <th>P-Id</th>
41                 <th>Name</th>
42                 <th>Age</th>
43             </tr>
44         </thead>
45         <tbody id="filteredData"></tbody>

```

```
23BCE5036
index.html x JS scriptjs
index.html > html > body > h3
2 <html lang="en">
9 <body>
23 </table>
24
25 <h3>(ii) Check if a P-Id is Present</h3>
26 <input type="number" id="searchId" placeholder="Enter P-Id">
27 <button onclick="checkPid()">Check</button>
28 <p id="searchResult"></p>
29
30 <h3>(iii) Filter Patients by Age Range</h3>
31 <label for="minAge">Min Age:</label>
32 <input type="number" id="minAge" placeholder="Min Age">
33 <label for="maxAge">Max Age:</label>
34 <input type="number" id="maxAge" placeholder="Max Age">
35 <button onclick="filterByAge()">Filter</button>
36
37 <table border="1">
38 <thead>
39 <tr>
40 <th>P-Id</th>
41 <th>Name</th>
42 <th>Age</th>
43 </tr>
44 </thead>
45 <tbody id="filteredData"></tbody>
46 </table>
47 </body>
48 </html>
49
```

```
23BCE5036
index.html JS scriptjs x
JS scriptjs > ...
1 const patients = [
2   { id: 1, name: "Alen", age: 39 },
3   { id: 2, name: "Deena", age: 47 },
4   { id: 3, name: "Diana", age: 21 },
5   { id: 4, name: "Jack", age: 54 },
6   { id: 5, name: "Jain", age: 23 },
7   { id: 6, name: "Kelvin", age: 61 },
8   { id: 7, name: "Louis", age: 69 },
9   { id: 8, name: "Rex", age: 49 }
10 ];
11
12 function sortPatients() {
13   let sorted = [...patients].sort((a, b) => b.age - a.age);
14   let tableBody = document.getElementById("sortedData");
15   tableBody.innerHTML = sorted.map(p => `<tr><td>${p.id}</td><td>${p.name}</td><td>${p.age}</td></tr>`).join("");
16 }
17
18 function checkPid() {
19   let searchId = parseInt(document.getElementById("searchId").value);
20   let exists = patients.some(p => p.id === searchId);
21   document.getElementById("searchResult").textContent = exists ? "P-Id found in the list." : "P-Id not found.";
22 }
23
24 function filterByAge() {
25   let minAge = parseInt(document.getElementById("minAge").value);
26   let maxAge = parseInt(document.getElementById("maxAge").value);
27   let filtered = patients.filter(p => p.age >= minAge && p.age <= maxAge);
28   let tableBody = document.getElementById("filteredData");
29   tableBody.innerHTML = filtered.map(p => `<tr><td>${p.id}</td><td>${p.name}</td><td>${p.age}</td></tr>`).join("");
30 }
31
```

Output:

23BCE5036

File C:/Users/sushi/OneDrive/Desktop/SEMESTER%204/23BCE5036...

## Patient Data

### (i) Sorted Data in Descending Order of Age

Sort & Display

P-Id	Name	Age
7	Louis	69
6	Kelvin	61
4	Jack	54
8	Rex	49
2	Deena	47
1	Alen	39
5	Jain	23
3	Diana	21

### (ii) Check if a P-Id is Present

P-Id not found.

### (iii) Filter Patients by Age Range

Min Age:  Max Age:

P-Id	Name	Age
1	Alen	39
2	Deena	47
3	Diana	21
4	Jack	54
5	Jain	23
8	Rex	49

Question-2

VS

23BCE5036

index.html

JS script.js

index.html

html

head

title

1<!DOCTYPE html>

2<html lang="en">

3<head>

4<meta charset="UTF-8">

5<meta name="viewport" content="width=device-width, initial-scale=1.0">

6<title>23BCE5036</title>

7<script src="script.js" defer></script>

8</head>

9<body>

10<h1 id="t">Original Title</h1>

11

12<input type="text" name="u" placeholder="Enter your name">

13

14<p>Select Gender:</p>

15<input type="radio" name="g" value="Male"> Male

16<input type="radio" name="g" value="Female"> Female

17<input type="radio" name="g" value="Other"> Other

18

19<p class="i">Info 1</p>

20<p class="i">Info 2</p>

21

22<ul>

23<li>Item 1</li>

24<li>Item 2</li>

25<li>Item 3</li>

26</ul>

27

28<input type="text" class="f" placeholder="Field 1">

29<input type="text" class="f" placeholder="Field 2">

30

31<p class="i">Another info</p>

32

33<p>Hobbies:</p>

34<input type="checkbox" class="h" value="Reading"> Reading

35<input type="checkbox" class="h" value="Gaming"> Gaming

36<input type="checkbox" class="h" value="Traveling"> Traveling

37

38<button onclick="run()">Apply</button>

39</body>

40</html>

41

Ln 6, Col 21 Spaces: 4 UTF-8 CRLF {} HTML Go Live

VS

23BCE5036

index.html

JS script.js

JS script.js

run

1function run() {

2document.getElementById("t").textContent = "Updated Title";

3

4document.getElementsByName("u")[0].value = "John Doe";

5

6let r = document.getElementsByName("g");

7for (let x of r) {

8if (x.checked) console.log("Selected:", x.value);

9}

10

11let p = document.getElementsByTagName("p");

12console.log("Total <p>:", p.length);

13

14let l = document.getElementsByTagName("li");

15for (let x of l) console.log("List:", x.textContent);

16

17let f = document.getElementsByClassName("f");

18for (let x of f) x.style.backgroundColor = "lightblue";

19

20document.querySelector(".i").textContent = "This is the first info paragraph";

21document.querySelector("input[name='g']").checked = true;

22

23let i = document.querySelectorAll(".i");

24i.forEach(x => console.log("Info:", x.textContent));

25

26let h = document.querySelectorAll(".h");

27h.forEach(x => {

28x.checked = true;

29console.log("Checked:", x.value);

30});

31}

32

Ln 6, Col 21 Spaces: 4 UTF-8 CRLF {} HTML Go Live

Output:

23BCE5036

File C:/Users/sushi/OneDrive/Desktop/SEMESTER%204/23BCE5036/...

# Original Title

Select Gender:

☐ Male ☒ Female ☐ Other

Info 1

Info 2

- Item 1
- Item 2
- Item 3

Another info

Hobbies:

☐ Reading ☐ Gaming ☒ Traveling

23BCE5036

File C:/Users/sushi/OneDrive/Desktop/SEMESTER%204/23BCE5036/...

# Updated Title

Select Gender:

☒ Male ☐ Female ☐ Other

This is the first info paragraph

Info 2

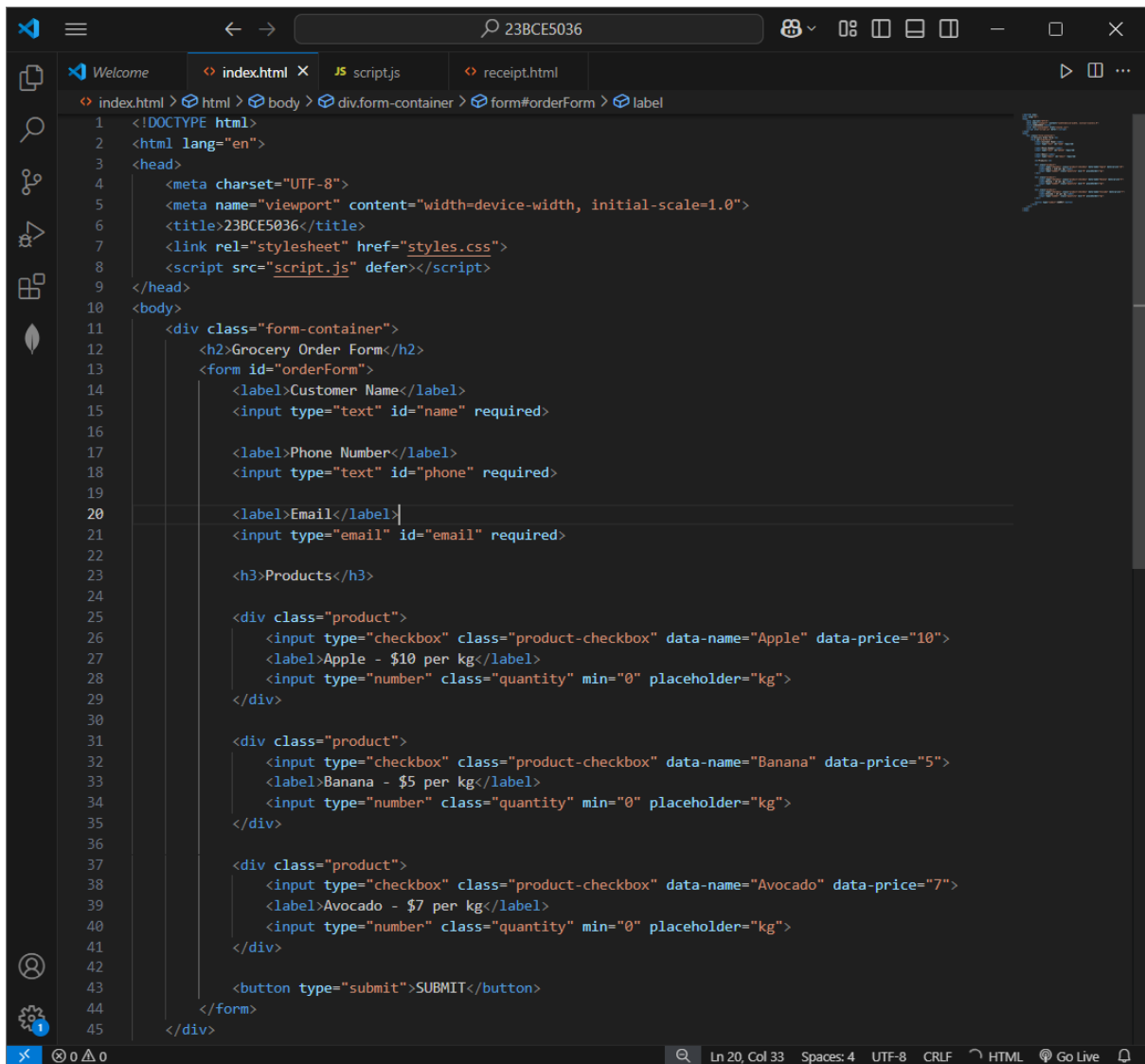
- Item 1
- Item 2
- Item 3

Another info

Hobbies:

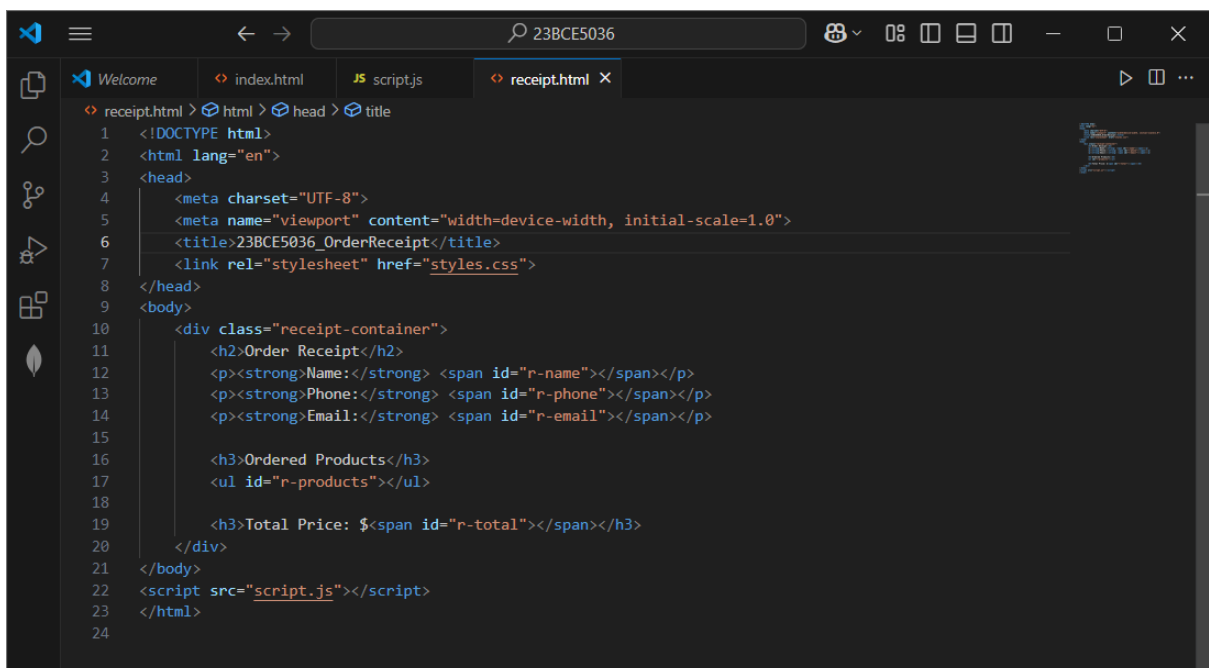
☒ Reading ☒ Gaming ☒ Traveling

### Question-3



The screenshot shows the VS Code editor with the file `index.html` open. The breadcrumb navigation at the top indicates the current path: `index.html > html > body > div.form-container > form#orderForm > label`. The code is as follows:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>23BCE5036</title>
7   <link rel="stylesheet" href="styles.css">
8   <script src="script.js" defer></script>
9 </head>
10 <body>
11   <div class="form-container">
12     <h2>Grocery Order Form</h2>
13     <form id="orderForm">
14       <label>Customer Name</label>
15       <input type="text" id="name" required>
16
17       <label>Phone Number</label>
18       <input type="text" id="phone" required>
19
20       <label>Email</label>
21       <input type="email" id="email" required>
22
23       <h3>Products</h3>
24
25       <div class="product">
26         <input type="checkbox" class="product-checkbox" data-name="Apple" data-price="10">
27         <label>Apple - $10 per kg</label>
28         <input type="number" class="quantity" min="0" placeholder="kg">
29       </div>
30
31       <div class="product">
32         <input type="checkbox" class="product-checkbox" data-name="Banana" data-price="5">
33         <label>Banana - $5 per kg</label>
34         <input type="number" class="quantity" min="0" placeholder="kg">
35       </div>
36
37       <div class="product">
38         <input type="checkbox" class="product-checkbox" data-name="Avocado" data-price="7">
39         <label>Avocado - $7 per kg</label>
40         <input type="number" class="quantity" min="0" placeholder="kg">
41       </div>
42
43       <button type="submit">SUBMIT</button>
44     </form>
45   </div>
```



The screenshot shows the VS Code editor with the file `receipt.html` open. The breadcrumb navigation at the top indicates the current path: `receipt.html > html > head > title`. The code is as follows:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>23BCE5036_OrderReceipt</title>
7   <link rel="stylesheet" href="styles.css">
8 </head>
9 <body>
10   <div class="receipt-container">
11     <h2>Order Receipt</h2>
12     <p><strong>Name:</strong> <span id="r-name"></span></p>
13     <p><strong>Phone:</strong> <span id="r-phone"></span></p>
14     <p><strong>Email:</strong> <span id="r-email"></span></p>
15
16     <h3>Ordered Products</h3>
17     <ul id="r-products"></ul>
18
19     <h3>Total Price: $<span id="r-total"></span></h3>
20   </div>
21 </body>
22 <script src="script.js"></script>
23 </html>
24
```

```
23BCE5036
Welcome index.html JS script.js receipt.html
JS script.js > ...
1 document.addEventListener("DOMContentLoaded", function () {
2     let form = document.getElementById("orderForm");
3
4     if (form) {
5         form.addEventListener("submit", function (e) {
6             e.preventDefault();
7
8             let name = document.getElementById("name").value;
9             let phone = document.getElementById("phone").value;
10            let email = document.getElementById("email").value;
11            let products = document.querySelectorAll(".product-checkbox");
12            let selectedProducts = [];
13            let total = 0;
14
15            products.forEach((product, index) => {
16                if (product.checked) {
17                    let quantity = document.querySelector(".quantity")[index].value;
18                    if (quantity > 0) {
19                        let item = {
20                            name: product.dataset.name,
21                            price: parseInt(product.dataset.price),
22                            quantity: parseInt(quantity),
23                        };
24                        total += item.price * item.quantity;
25                        selectedProducts.push(item);
26                    }
27                }
28            });
29
30            let orderData = {
31                name: name,
32                phone: phone,
33                email: email,
34                products: selectedProducts,
35                total: total,
36            };
37
38            localStorage.setItem("order", JSON.stringify(orderData));
39            window.location.href = "receipt.html";
40        });
41    } else {
42        let orderData = JSON.parse(localStorage.getItem("order"));
43
44        if (orderData) {
45            document.getElementById("r-name").textContent = orderData.name;
```

```
20            name: product.dataset.name,
21            price: parseInt(product.dataset.price),
22            quantity: parseInt(quantity),
23        };
24        total += item.price * item.quantity;
25        selectedProducts.push(item);
26    }
27    });
28
29    let orderData = {
30        name: name,
31        phone: phone,
32        email: email,
33        products: selectedProducts,
34        total: total,
35    };
36
37    localStorage.setItem("order", JSON.stringify(orderData));
38    window.location.href = "receipt.html";
39
40    });
41    } else {
42        let orderData = JSON.parse(localStorage.getItem("order"));
43
44        if (orderData) {
45            document.getElementById("r-name").textContent = orderData.name;
46            document.getElementById("r-phone").textContent = orderData.phone;
47            document.getElementById("r-email").textContent = orderData.email;
48
49            let productList = document.getElementById("r-products");
50            orderData.products.forEach(item => {
51                let li = document.createElement("li");
52                li.textContent = `${item.name} - ${item.quantity} kg (${item.price * item.quantity})`;
53                productList.appendChild(li);
54            });
55
56            document.getElementById("r-total").textContent = orderData.total;
57        }
58    }
59    });
60
```

Output:

23BCE5036

File C:/Users/sushi/OneDrive/Desktop/SEMESTER%204/23BCE5036/...

## Grocery Order Form

Customer Name  Phone Number  Email

### Products

☒ Apple - \$10 per kg

☒ Banana - \$5 per kg

☐ Avocado - \$7 per kg

23BCE5036\_OrderReceipt

File C:/Users/sushi/OneDrive/Desktop/SEMESTER%204/23BCE5036/...

## Order Receipt

**Name:** Sara Arora

**Phone:** 8384999090

**Email:** sara.arora2023@vitstudent.ac.in

### Ordered Products

- Apple - 4 kg (\$40)
- Banana - 6 kg (\$30)

**Total Price: \$70**