INTERNET AND WEB PROGRAMMING
CSE3002
EXPERIMENT-5

1. Write a HTML/JavaScript program that reads number of kilometers, cost of a petrol, and petrol consumption (kms per litre) and then determine the cost of a specific trip. The output should be displayed using document.writeln.

Code

HTML :-

```
<!DOCTYPE html>
<html>
<head>
<script src="script1.js"></script></head>
<body>
<form id="petrolForm" onSubmit="handleSubmit(); return false">
<fieldset>
<legend>Cost Predictor:</legend>
<label>Kilometers Traveled</label>
<input type="number" id="km" name="km"><br>
<label>Petrol Cost</label>
<input type="number" id="pc" name="pc"><br>
<label>Mileage</label>
```
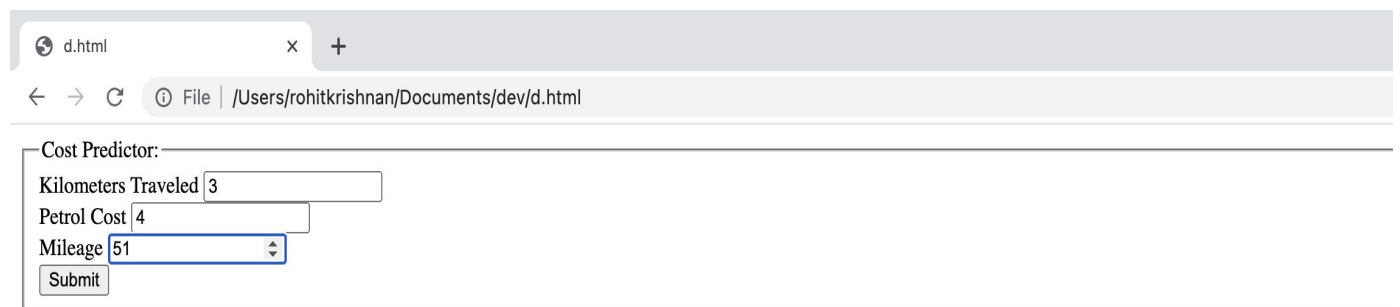
```html
<input type="number" id="ml" name="ml"><br>

<input type="submit" >

</fieldset>

</form>

</body>

</html>
```

Javascript:-

```javascript
function handleSubmit(){

var formEl = document.forms.petrolForm;

var formData = new FormData(formEl);

var km = formData.get('km');

var pc = formData.get('pc');

var ml = formData.get('ml');

var cost= km*ml*pc;

document.writeln("The Travel cost: "+cost);

}
```

Output

2. Define functions sum() and multiply() that sums and multiplies the given numbers in an array. Implement using HTML/JavaScript.

HTML :-

<!DOCTYPE html>

<html>

<head>

<script src="script2.js"></script>

</head>

<body>

<form id="sumMultiply" onSubmit="handleSubmit(); return false">

<fieldset>

<legend>Find Sum and Multiply:</legend>

<label>Enter the array of numbers (seperated by space)</label>

<input type="text" id="ar" name="ar" />

<input type="submit" />

</fieldset>

</form>

<h3>SUM:</h3>

```html
<p id="sum">-</p>
<h3>MULTIPLY:</h3>
<p id="mul">-</p>
</body>
</html>
```

Javascript:-

```javascript
function handleSubmit(){

var formEl = document.forms.sumMultiply;

var formData = new FormData(formEl);

var ar = formData.get('ar');

var arr=ar.split(" ");

sum(arr);

multiply(arr);

}

function multiply(arr){

var element= document.getElementById("mul");

var mul=1;

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

mul*=parseInt(arr[i]);

element.innerHTML=mul;

}

function sum(arr){

var element= document.getElementById("sum");

var sum=0;
```
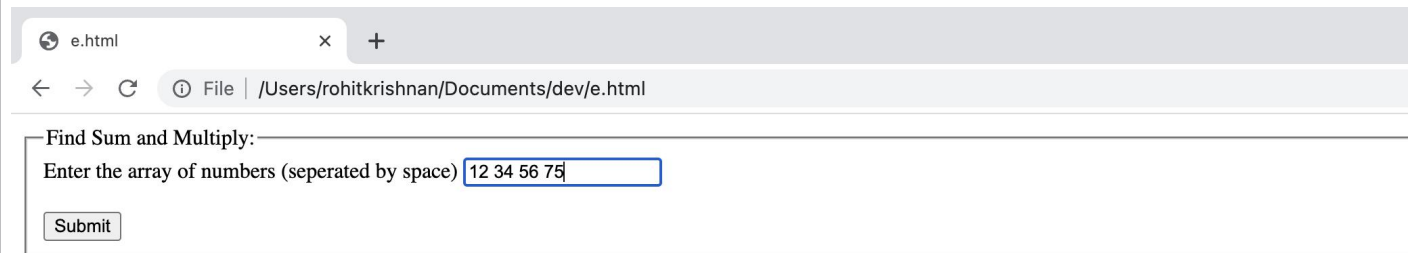
```
for(var i=0;i<arr.length;i++)

sum+=parseInt(arr[i]);

element.innerHTML=sum;

}
```

Output:-

SUM:

-

MULTIPLY:

SUM:

177

MULTIPLY:

1713600