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Subject: Scripting languages of R Language Project. [PMC-103]

Section: D

Ans 1.

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title> Check for Blank Spaces </title>
```

```
<script>
```

```
function validate() {  
    if (document.getElementById('fname').value == "" ||  
        document.getElementById('mname').value == "" ||  
        document.getElementById('lname').value == "") {  
        alert("First name, Middle Name & last name is empty");
```

```
    }  
    else if (document.getElementById('fname').value == "" ||  
        document.getElementById('mname').value == "") {  
        alert("First Name and Middle name is Empty");
```

```
    }  
    else if (document.getElementById('mname').value == "" ||  
        document.getElementById('lname').value == "") {  
        alert("Middle name & last name is empty");
```

```
    }  
    else if (document.getElementById('fname').value == "" ||  
        document.getElementById('lname').value == "") {  
        alert("First name & last name is empty");
```

```
}
```

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```

else if (document.getElementById('fname').value == "") {
    alert("First name is Empty");
}
else if (document.getElementById('mname').value == "") {
    alert("Middle name is Empty");
}
else if (document.getElementById('lname').value == "") {
    alert("Last Name is Empty");
}
}
/

```

</script>

</head>

<body>

<h1> Check for blank spaces or entry </h1>

<fieldset>

<label> First name:

<input class = "input" type = "text" id = "fname" name = "fname" > </label>

<label> Middle Name:

<input class = "input" type = "text" id = "mname" name = "mname" > </label>

<label> Last Name:

<input class = "input" type = "text" id = "lname" name = "lname" > </label>

<button type = "button" onclick = "validate()" value = "send data" > Submit </button>

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</fieldset>

</body>

</html>

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Section : D

Ans 2. Student Registration in PHP

```
<html>
```

```
<title> Student Registration </title>
```

```
<h1> Student Registration Form </h1>
```

```
<body>
```

```
<form method = get action = "">
```

```
Enter Student name: <input type = text name = t1  
value = "<?php if (isset($_GET['t1'])) echo  
$_GET['t1'];?>"></br>
```

```
Enter Student Roll no: <input type = text name = t2  
value = "<?php if (isset($_GET['t2'])) echo  
$_GET['t2'];?>"></br>
```

```
Enter Age: <input type = text name = t3 value =  
"<?php if (isset($_GET['t3'])) echo $_GET['t3'];?  
>"></br>
```

```
Enter Class : <input type = text name = t4 value =  
"<?php if (isset($_GET['t4'])) echo $_GET['t4'];?  
?>"></br>
```

```
<input type = submit value = submit ></br>
```

```
</form>
```

```
</body>
```

```
</html>
```

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```
<?php
if (isset($_GET['t1']))
{
    if ($name == "" || $roll == "" || $class == "" || $age == "")
    {
        echo "All fields compulsory!";
    }
    else
    {
        $name = $_GET['t1'];
        $roll = $_GET['t2'];
        $age = $_GET['t3'];
        $class = $_GET['t4'];
        echo "<h1> Student Information</h1><br>";
        echo "Student name: $name<br>";
        echo "Student Roll no: $roll<br>";
        echo "Student age: $age<br>";
        echo "Student class: $class<br>";
    }
}
?>
```

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Ans 3.

Any Analyzing of .csv file.

Reading of .csv file

```
Elcar <- read.csv("C:/users/admin/desktop/Elcar.csv")  
view(Elcar)
```

1. Head and Tail

```
head(Elcar)
```

```
tail(Elcar)
```

2. Maximum

```
max <- max(Elcar$PriceEuro)
```

```
max
```

3. Minimum

```
min <- min(Elcar$PriceEuro)
```

```
min
```

4. Mean

```
mean(Elcar$seats)
```

```
mean(Elcar$Efficiency - Wh km)
```

5. Median

```
median(Elcar$Range km)
```

6. Quantile

```
quantile(Elcar$FastCharge - kmH)
```

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7. Standard Deviation & Variance
sd (Elcar & Price Euro)
var (Elcar & Top Speed - km/h)

9. Summary
summary(Elcar)

Ans 4. Descriptive & Inferential Statistics of above dataset.

Descriptive statistics are used to describe the characteristics or features of a dataset.

It can be used to describe both individual quantitative observations (also known as 'summary statistics').

Summary:

Brand	Model	Accel/sec	Top speed KMH	Range-Km
-------	-------	-----------	---------------	----------

There are the table columns that shown is descriptive statistics of my data (i.e. of Electric car named Elcar.csv).

By this summary we can find which car is perfect, at most basis on most of these criterions.

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Inferential Statistics.

Inferential Statistics focus on making generalizations about a larger population based on a representative sample of that population. Because it focuses on making predictions (rather than stating facts) its results are usually in the form of a probability.

In this dataset (Elcar.csv) the electric car which is most preferable on the basis of range, Top speed, Price, Charging time, Average etc is Tesla Model

3 Long Range Dual Motor.

This is the prediction but on the basis of the data we have any analyze using Elcar.csv.

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