NAME - Mohit Vedwal

University Rdl no - 2101124

Student ID - 21711109

Date - 15/03/2022

Course - MCA

Sem - 1

Section - C

Sub Name - Scripting Language & R programming

Sub Code - TMC106 & TMC105

Mohit Vedwal
21711109

AQ1

```
<!DOCTYPE HTML>
<html>
<head>
  <title> Check for blank entry </title>
<script>
  function validate() {
    if(document.getElementById('fname').value == "" && document.
    getElementById('mname').value == "" && document.getElementById
    ('lname').value == "")
    {   alert(" First Name, Middle Name and 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 and Last name is empty ");
    }
  else if(document.getElementById('fname').value == "" && document.
  getElementById('lname').value == "") {
    alert( " First name and Last name is empty ");
  }
else if (document.getElementById('fname').value == "") {
    alert(" First name is empty ");
  }
else if (document.getElementById('mname').value == "")
 {  alert (" Middle name is empty ");
 }
```

Mohit Vedwal
21711109

```
else if(document.getElementById('lname').value == "") {
    alert("Last name is empty");
  }
};
</script>
 </head>
<body>
  <h1>check for blank entry</h1>
   <fieldset>
   <label>First Name : type=
   <input class="input *" text" id="fname" name="fname" ></label>
   <br>
   <label>Middle Name :
   <input class="input" type="text" id="mname" name="mname">
    </label>
   <br>
   <label>Last Name :
   <input class="input" type="text" id="lname" name="lname">
    </label>
   <br>
   <button type="button" onClick="validate()" value="send data">
      submit</button>

   </fieldset>
 </body>
</html>
```

Mohit Vadwal
21711109

Q2

```
<!DOCTYPE HTML>
<html>
<head>
    <title> Student registration form</title>
</head>
<body>
   <h1> Student Registration Form</h1>
<form method=get action=" ">
<label> Enter Student name :
<input type="text" name="t1" value="<? php if(isset($_GET['t1']))
    echo $_GET['t1']; ?>"></br>
</label>
<label> Enter Student Roll no. :
<input type="text" name="t2" value="<? phpif(isset($_GET['t2']))
  echo$_GET['t2']; ?>" ></br>
</label>
<label> Enter class :
<input type="text" name="t3" value="<? php if(isset($_GET['t3']))
   echo $_GET['t3']; ? >"></br>
</label>
<label> Enter Age :
<input type="text" name="t4" value="<? php if(isset($_GET['t4']))
   echo$_GET['t4']; ? >" >4br>
</label>
<label> Enter Address :
<input type="text" name="t5" value="<? php if(isset($_GET['t5]
)) echo$_GET['t5]; ? > "></br>
<input type="submit" value="submit> </br>
</form>
```

Mohit Vedwal
2171109

```
</body>
</html>
<?php
 if(isset($_GET['H']))
{ if($name=="" $roll=="" $class=="" $age=="" $add=="")
 {  echo "All fields are compulsory : ";
 }
 else
   {
      $name=$_GET['t1'];
      $roll =$_GET['t2'];
      $class =$_GET['t3'];
      $age =$_GET['t4'];
      $add =$_GET['t5'];
     echo "<h1>Student Information</h1></br> ";
     echo "Student name : $name</br>";
     echo "Student Roll no : $roll </br>" ;
     echo "Student Class : $class </br>" ;
     echo "Student Age : $age</br>" ;
     echo "Student Address : $add </br>";
   }
}
 ?>
```

Mohit Vedwal
21711109

Q3 Analyze any csv dataset using R.

```
# setting working directory
setwd("C:/user/HITESH/Desktop/r")
# Libraries required
Library(dplyr)
Library(quantmod)
# load csv file
data1<-read.csv(file.choose(), header=TRUE)
view(data1)
```

Country	beer_servings	spiritservings	wine_servings	total_litres
Afghanistan	0	0	0	0.0
Albania	89	132	54	4.9
Algeria	25	0	14	0.7
Andorra	245	138	312	12.4
Angola	102	128	45	4.9
Argentina	193	25	221	8.3
Australia	261	72	212	10.4
Bangladesh	0	0	0	0.0
Barbados	143	173	36	6.3
Belgium	294	84	212	10.5

Mohit Vedwal
21711109

Summary (data1)

country	beer_servings	spirit_servings	wine_servings	total_litres
Length : 10	Min : 0.0	Min : 0.0	Min : 0.0	Min : 0.0
Class : character	1st Qu : 20.0	1st Qu : 4.00	1st Qu : 1.00	1st Qu : 1.300
Mode : character	Median : 76.0	Median : 56.00	Median = 8.00	Median = 4.200
	Mean : 106.2	Mean : 80.99	Mean : 49.45	Mean : 4.717
	3rd Qu : 188.0	3rd Qu : 128.00	3rd Qu : 59.00	3rd Qu = 7.200
	Max : 376.0	Max : 438.00	Max : 370.00	Max : 14.400

```
# boxplot
boxplot (data1 $ beer_servings)
boxplot (data1 $ spirt_servings)
boxplot (data1 $ wine_servings)
boxplot (data $ total_servings)

plot( data1 $ beer_servings , col = "Yellow")
plot ( data1 $ total_litres , col = "Red")
```

Mohit Vedwal
21711109

Q4

Descriptive Statistics ⇒ It describe the important characteristics / properties of data using the measure of central tendancy like mean / median / mode.

For data

Country	beer_servings	spirit_servings	wine_servings	total_litres
Afghanistan	0	0	0	0.0
Albania	89	132	54	4.9
Algeria	25	0	14	0.7
Andorra	245	138	312	12.4
Angola	102	128	45	4.9
Argentina	193	25	221	8.3
Australia	261	72	212	10.4
Bangladesh	0	0	0	0.0
Barbados	143	173	36	6.3
Belgium	299	84	212	10.5

Min = 0.0
1st QU = 1.300
Median = 4.200
Mean = 4.717
3rd QU = 7.200
Max = 14.400

The overall alchol consumpting is between ~~under~~ approx 14 let litres & maximum alcohol consumption is 14 litres and minimum consumption is 0 litre.

Mohit Veeluval
21711109

Inferential statistics

It is about using data from sample & then making inferences about the larger population from which the sample is drawn. The conclusion drawn from a sample & generalize them to the population.