Gouphic Era Hill University

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University Roll no:- 2101263 (45)

Course:- MCA

Semester:- 1st

Paper Name:- Scripting longuges and R Lab

Paper Code:- PMC 103

Type of Paper:- Regular

Student Id:- 21711272

Ans 1:-

```
<!DOCTYPE HTML>
< htm>
<head>
< title> Check for blank Space </ title>
<script >
function validate(){
if (document. get Element By Id ('f name'). value== " "
&& document. get Element By Id ('mname'). value
== " " && document. get Element By Id (' lname'). value== " ")
{
    alert (" First Name, middle Name  and  Last Name
    Is  Empty");
}

else if (document. getElement By Id ('fname'). value== " "&&
document. get Element By Id ('mname'). value == " "){
    alert(" First Name and middle  Name is Empty");
    }

else if (document. get Element By Id ('mname'). value== " "&&
document. get Element By Id (' Lname'). value == " "){
    alert (" middle Name and last Name is Empty");
    }

else if ( document. get Element By Id ('fname'). value== " &&
document . get Element By Id ('Lname'). value == " ")
{
    alert (" First Name and last Name is  Empty");
}
else if ( document. get Element By Id ('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 entry</h1>
<fieldset>
<label> First Name:
<input class="input" type="text" id="fname"
name="fname"></label>
<br>
<label> middle Name: <input class="input"
type="text" id="mname" name="mname"><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>
```

```
<head>
<title> general form </title>
</head>
<body bgcolor = "aakk">
<form action = " <?php $PHP_SELF?>" method = "post
Name :
<input type= "text" name = "txthame">
<br> <br>

Roll no:
<input type= "text" name = "txts_no">
<br> <br>

Gender:
<input type= "text" name = "txt gen">
<br> <br>

Address:
<text area name = "add" type = "text area"> </textarea
<br> <br>

<input type= "submit" name= "insert" value = "save">
<input type= "Reset" value = " cancle">
</form>
</body>
</html>
<?php
if(isset ($_POST ['insert']))
{ $con = mysql_connect ("local host", "root", "");
if($con)
echo "mysql connection on <br>".
```

```php
$name = strval($_POST['txtname']);
$rollno = intval($_POST['txtro-no']);
$gender = strval($_POST['txtgen']);
$address = strval($_POST['add']);
$insert = "insert into info values ('$name', $rollno, '$gend
            '$address')";
if (mysql_query($insert, $con))
{
    echo "Data inserted successfully<br>";
}

$query = "select * from info";
$stmt = mysql-query($query, $con);
echo "<table border = '1'>
<tr>
    <th> Name </th>
    <th> Roll no </th>
    <th> Gender </th>
    <th> Address </th>
</tr>";
while ($row = mysql-fetch-array($stmt))
{
    echo "<tr>";
    echo "<td>", $row['name'], "</td>";
    echo "<td>", $row['rollno']. "</td>";
```

Objective:- To analyze a CSV dataset ("Main data") using R'.

Code:

```
# Setting the primary working Directory
    setwd ("E:/R files")
# importing Libraries required
    Library (dplyr)
    Library (ggplot2)
# importing CSV file
    Data <- read.csv ("E:/R files/Main Data.csv")

# Analysis

    names (Data)
    [1] "Name"  "Author"  "Units Sold"    "price"   "year"
    [6] "Genre"

    str (Data)
    "data frame": 72  obs. of 6 variables
    $ Name: Chas ...
    $ Author:
    $ Units Sold:
    $ price:
    $ year:
    $ Genre:
```

summary (Data)

Name: Author   Units sold
                                                 Min: 37
length: 72   1st Qu: 3107
class: Character   Median: 6226
Mode: Character   mean: 9643
                                                 3rd Qu: 12052
      Year   Genre   Max: 61133

o Plotting

hist (Data $ Year) # No of books sold every year.
boxplot (Data $ Units.sold) # tells statistical analysis
of sold
plot (Data $ Year , Data $ Units. sold)

Ans Discuss Descriptive and Inferential Statistics of above dataset.

Descriptive Statistics:-

In descriptive statistics, on the collected data we discuss about the data and talk about observation that can be clearly seen in data such as unit sold by each author, which book sold in which year.

Characteristic Properties of data using mean /median / mode.

for units sold

Data $ units sold

o Min, 37

lowest no. of book sold is 37.

o Median, 6226

It lies in the centre of high slow

o Mean : 9643

It is average no of book sold

o Max, 61133

Highest no of books sold by any author

Inferential Statistics

In Inferential statistics a data is collected and is analyzed to make judgements or claims about the sample. for example, which year had largest no of books released, which author had high no of books sold.

hist (Data & year)

This graph shows No. of books released every year
· and 2009 was most promising for books. there is gradual decrease in books released.

Stripchart (Data & Price)

• This graph shows most books are released in price range of lo to 40 $ and very less books are sold in price of loo$

boxplot (Data & Units. Sold)

Book by J.K rowling has highest no. of units Sold

pie chart (Data & Genre)

People prefer fiction over non-fiction.

Shivam Yadav