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D <html>
<head>
<script>
function validate () {
var msg = " ";
if (document.getElementById ("log").value == "") {
msg = "Username";
document.getElementById ("Pass").value == "") {
if (msg == "") {
msg += " and "
}
msg += "password";
if (msg != "") {
alert ("Please " + msg); return false
}
}
}
</script>
</head> <body> onload = document.getElementById ("log")
focus ()>
<form action = "login.php" method = "post" onsubmit =
"return validate ()">
Login Name <input type = "password" id = "pass" />
<input type = "submit" name = "Submit" value = "Login" />
</form>
</body>
</html>

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2) <html>

<head>

<title> general Registration Form</title>

</head>

<body>

<form action = "?php \$. PHP . self ?" method = "Post">

Name:

<input type = "text" name = "Textname">

Roll No:

<input type = "text" name = "txtno">

Gender:

<input type = "text" name = "txtno">

Address:

<textarea name = "add" type = "textarea"></textarea>

<input type = "Submit" name = "insert" value = "Save">

<input type = "Reset" value = "Cancel">

</form>

</body>

</html>

<?php

if (isset(\$_POST["insert"])) {

```

$con = mysql_connect("localhost", "root", "mush");
if ($con) {
    echo "Mysql connection ok<br>";
    mysql_select_db($con, "mush");
    $name = $_POST['textname'];
    $rollno = intval($_POST['textno']);
    $gender = $_POST['text-gender'];
    $address = $_POST['textaddr'];
    $insert = "insert into studinfo values('$_name', '$rollno',
    $gender, '$address')";
    if (mysql_query($con, $insert)) {
        echo "Data inserted successful<br>";
    }
    $query = "Select * from studinfo";
    $id = mysql_query($con, $query);
    echo "<table border='1'>
    <tr>
    <td>
    </td>
    </td>
    <?php
    if (isset($_POST['insert'])) {
        $con = mysql_connect("localhost", "root", "mush");
        if ($con) {
            echo "Mysql connection ok<br>";
            mysql_select_db($con, "mush");

```

```
$gender = $_POST['gender'];
$address = $_POST['addr'];
$insert = "insert into stdinfo values ('$name', '$rollno', '$gender',
'$address');
if(mysql_query($con, $insert)) {
    echo 'Data inserted successfully (br)';
}
$query = "Select * from stdinfo";
$result = mysql_query($con, $query);
echo <table border = '1'>
<tr>
<th> Name </th>
<th> RollNo </th>
<th> Gender </th>
<th> Address </th> <br>
while ($row = mysql_fetch_array($result))
{
    echo "<tr>
        echo '<td>' . $row['texname'] . '</td>
        echo '<td>' . $row['txt_no'] . '</td>
        echo '<td>' . $row['gender'] . '</td>
        echo '<td>' . $row['addr'] . '</td>
    echo "</tr>
}
echo "</table>
mysql_close($con) ;
```

3
???

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Aus. 3 CSV file = ~~car~~ cars.csv

• Setting of working Dir

```
setwd ("C:/Users/Divyansh/Downloads")
```

• Reading of .csv file

```
cars <- read.csv ("cars.csv")
```

• Installing ggplot package

```
install.packages ("ggplot2")
```

this package is important for plotting graphs
and charts few of them will be shown below

• Using ggplot() library

```
library (ggplot2)
```

• Histogram

```
ggplot (cars, aes (y = stat, x = region)) + geom_bar  
(stat = "identity")
```

Richart

ggplot(cars, aes(y = " ", fill = region, x = population)) +
geom_bar(width = 1, stat = 'identity') + coord_polar
(theta, start = 0)

Boxplot

ggplot(cars, aes(x = caraccident, y = region)) + geom_boxplot()

Some Quantity Data

• Minimum

min(cars\$carownership)
 $\Rightarrow 0.036$

• Maximum

max(cars\$caraccident)
 $\Rightarrow 1257$

• Mean

mean(cars\$populationDensity)
 $\Rightarrow 344.5488$

• Median

median(cars\$population)
 $\Rightarrow 4339367$

• Quantile

quantile(cars\$carownership, 0.75)
 $\Rightarrow 25\%$

$\Rightarrow 0.3055$

sd(cars\$caraccident)
 $\Rightarrow 236.1261$

var(cars\$caraccident)
 $\Rightarrow 55755.5$

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4) Descriptive Statistics

summary(mydata)

dim(mydata)

str(mydata)

names(mydata)

inferential statistics

i) chi-squared test

model <- chisq.test(~~mydata~~ ~ mydata)

model

output p-value = 0.334263 > 0.05

Thus, 'mydata' is highly correlated and we accept the Null Hypothesis

2) # correlation coefficient

Cor(mydata \$ Cars, mydata \$ average)

Output 0.97534 > 0.8

Thus Cars & avg is strongly correlated to each other

3) Anova test

mysubdata <- aov (mydata \$ average ~ mydata \$ speed, mysubdata)

output Pr(>P) is 0.004 as this value is less than 0.05 then we reject

HULL hypothesis and accept the alternative hypothesis,

4) T-Test

- # This gives us the T-Score for the dataset
- t.test (mydata, mu=100)
- # Here p-value is 0.334263 > 0.05
- # So we accept the Null Hypothesis.