Graphic Era Hill University

Practical Work

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Course - MCA 1st D

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Subject - Scripting language and R language.

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Ans-1. Source code -

```
<Html>
<Head>
<Script>
function Validate ()
{
Var msg = " ";
if (document.getElementById ('Log'). focus ()
{
}
msg = "username";
document.getElementById ('log'). focus ()
}
if (document.getElementById ('Pass'). Value == " ")
{
if (msg != " ")
{
msg += "and"
}
```

```
msg += "password";
}
if(msg != "")
{
alert("provide "+msg); return false;
}
}
</script>
</head>
<body onload = document.getElementById('log').focus()>
<form action = "login.php" method = "post" onsubmit =
"return validate();">
Login-Name : <input type = "text" id = "log" ></br></br>
Pass-word : <input type = "password" id = "pass" ></br></br>
<input type = "submit" name = "submit1" value = "login">
</form>
</body>
</html>
```

Ans 2. Registration in PHP -

Source Code -

```
<html>
<head>
<title> Registration form </title>
</head>
<body>
```

```
<form action = "<? php $_PHP_SELF ?>" method = "post">
Name :
<input type = "text" name = "txtname">
<br><br>
Roll no :
<input type = "text" name = "txtr_no">
<br><br>
Gender :
<input type = "text" name = "txtgen">
<br><br>
Addres :
<textarea name = "add" type = "textarea"></textarea>
<br><br>
<input type = "submit" name = "insert" value = "save">
<input type = "Reset" value = "Conele">
</form>
</body>
</html>

<? php
if(isset($_POST['insert']))
{
$con = mysqli_connect("localhost", "root", "", "newdb");
if($con)
{
echo "Mysql connection ok <br>";
mysqli_select_db($con, "newdb");
$name = strval($con_POST['txtname']);
$rollno = intval($_POST['txtr_no']);
```

```
$gender = strval($_Post['txtgen']);
$address = $strval($_Post['add']);
$insert = "insert into studinfo values ('$name', $rollno, '$gender',
                                        '$address');
If(mysqli_query($con, $insert))
{
echo "Data inserted successfully <br>";
}
$query = "select* from studinfo";
$sldt = mysqli_query($con, $query);
echo "< table border='1' >
< tr > ;
< th > Name </th >
< th > Roll No </th >
< th > Gender </th>
< th > Address </th>
</tr>";
while ($row = mysqli_fetch_array ($ldt))
 {
  echo "<tr>";
  echo "<td>" $row["txtname"], "</td>";
  echo "<td>" $row["txtr_no"], "</td>";
  echo "<td>" $row["txtgen"], "</td>";
  echo "<td>" $row['add'], "</td>";
  echo "</tr>
  }
  echo "</table>";
  mysqli_close ($con);
  }
  }
?>
```

Ans 3 - Analyze csv file

csvfile = Cars.csv

- Setting of working Directory

  Setwd ("C:/users/Sotyam")

- 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 gg plot () library

- Histogram -

  gg plot (Cars, aes (y = state, x = region) + geom_bar (state = "identity")

- Piechart -

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

- Boxplot -

  gg plot (cars, aes (x = Car accident, y = region)) + geom_ boxplot ()

- Scatter plot -

  ggplot (cars, aes (x = state . y = Cars)) + geom_point ()

Some Quantitative data

- Minimum

  min (cars $ carownership)

  => 0.036

- Maximum

  max (cars $ car accident)

  => 1257

- Mean

  mean (cars $ population Density)

  => 394.5488

- Median

  median (cars $ population)

  => 4339367

- Quantile

  quantile (cars $ carownership 0.25)

  => 25 %.

  => 0.3055

  quantile (cars $ ownership . 0.75)

  => 75 %.

  => 0.44

- sd (cars $ car accident)

  => 236.1261

- Var (cars $ car accident)

  => 55755.56

Ans 4

```
# Descriptive Statistics
summary (mydata)
dim (mydata)
str (mydata)
names (mydata)
```

```
# Inferential Statistics
1) Chi-Squared test
model <- ChiSq test (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 $ Cor, mydata $ average)
```

Output 0.97534 > 0.8

Thus Cars & average is strongly Correlated to each Other

3) Anova test

```
mysubdata 4 <- aes (mydata $ average ~ mydata $ speed)
mysubdata 4
```

Output Pr(>p) is 0.0014 as this value is less than 0.005 then we object.

Null 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.