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Paper Name - Scripting Language and R Lab

Paper Code - PMC103

Ques 1 Define a method _____ alert box.

```
<html>
```

```
<head>
```

```
<script>
```

```
function validate()
```

```
{
```

```
var msg = "";
```

```
if (document.getElementById('log').value == "")
```

```
{
```

```
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>
```


Ques 2 Create a student Registration in PHP and Save and Display the student Records.

```
<html>
```

```
<head>
```

```
<title> general form </title>
```

```
</head>
```

```
<body>
```

```
<form action = "<? php $_PHP_SELF ?>" method = "POST">
```

Name :

```
<input type = "text" name = "txtname" required >
```

```
<br><br>
```

Roll no. :

```
<input type = "text" name = "txtroll_no" required >
```

```
<br><br>
```

Gender :

```
<input type = "text" name = "txtgen" required >
```

```
<br><br>
```

Address :

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

```
<br><br>
```

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

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

```
</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");
```

```
$name = stripslashes ($_POST ['txtname']);
```

```
$rollno = intval ($_POST ['txtrollno']);
```

```
$gender = stripslashes ($_POST ['txtgen']);
```

```
$address = stripslashes ($_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 ($row = mysqli_fetch_array ($sldt))
```

```
{
```

```
echo "<tr>";
```



```

echo "<td>". $row['tx+name']. "</td>";
echo "<td>". $row['tx+no']. "</td>";
echo "<td>". $row['tx+gen']. "</td>";
echo "<td>". $row['add']. "</td>";
echo "</tr>";
}
echo "</table>";
mysqli_close ($con);
}
}
?>

```

Q.3 Analyze any csv dataset using R.

For setting working Directory

```
setwd ("C:/Users/asus/OneDrive/Desktop")
```

For Reading .csv file

```
mydata <- read.csv("pop.csv")
```

Packages Install

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

Using ggplot() Library

```
library(ggplot2)
```

BAR GRAPH

```
ggplot(mydata, aes(x = Country, y = Pop)) +
  geom_bar(stat = "identity")
```


BOXPLOT

```
ggplot(mydata, aes(x = Country, y = L_Area)) +  
  geom_boxplot()
```

LINE GRAPH

```
ggplot(mydata, aes(y = Pop, x = Country, group = 1))  
  + geom_line() + geom_point()
```

Ques 4) Discuss Description ————— dataset.

Descriptive statistics

summary(mydata)

dim(mydata)

str(mydata)

names(mydata)

Inferential Statistics

chi-squared test

```
Model <- chisq.test(mydata)
```

model

Output p-value = 0.446283 > 0.05

Thus 'mydata' is highly correlated and we accept the NULL Hypothesis.

Correlation coefficient

`Cor (mydata $Pop, mydata $sums)`

Output 0.99324 > 0.8

Thus Pop & sums is strongly correlated to each other

Anova test

`mysubdata4 <- aov (mydata $sums ~ mydata $average)`

`mysubdata4`

Output $P(>p)$ is 0.0013 as this value is less than 0.05 then we reject NULL Hypothesis and accept the alternative Hypothesis.

T-Test

This gives us the T-score for the dataset

`t.test (mydata, mu = 100)`

Here, ~~p-value~~ p-value is 0.446283 > 0.05

So, we accept the NULL Hypothesis.