

# END TERM Practical Exam

## PMIC - 103

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Ques 1) Define a method name as validate() to check  
any ..... 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>  
    Password: <input type="password" id="pass">  
    <br><br>  
<input type="Submit" name="submit1" value  
    = "logon"></form></body></html>
```

Ques 2. Create a student registration in PHP.....

Ans.

<html>

<head>

<title> general form </title>

</head> <body>

<form action = "<?php \$PHP\_SELF ?>" method = "POST">

Name: <input type = "text" name = "tname" required>

<br> <br>

Roll no:

<input type = "text" name = "troll\_no" required>

<br> <br>

Gender:

<input type = "text" name = "tgen" 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 = $_POST['username'];
$rollno = intval($_POST['roll_no']);
$gender = $_POST['gender'];
$address = $_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";
$result = mysqli_query($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($result))
{
    echo "<td>";
    echo "<td>". $row['username']. "</td>";
    echo "<td>". $row['roll_no']. "</td>";
}

```

```
echo "<td>". $row['trigen']. "</td>";  
echo "<td>". $row['addl']. "</td>";  
@echo "</tr>";  
}  
echo "</table>";  
mysqli_close($con);  
}  
}  
?>
```

Ques 3. Analyze any csv dataset using R.

Ans.

\* Setting of working Directory

```
setwd ("C:/up")
```

\* Reading of .csv file

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

\* installing ggplot package

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

\* Using ggplot() library

```
library (ggplot2)
```

\* Minimum

```
> min (mydata$Total)
```

```
[1] 33
```

```
> min (mydata$Gold)
```

```
[1] 10
```

~~now~~

\* Maximum

```
> max (mydata$Gold)
```

```
[1] 39
```

```
> max (mydata$Silver)
```

```
[1] 41
```

\* mean

```
> mean(mydata$Total)
```

```
[1] 58.7
```

```
> mean(mydata$Gold)
```

```
[1] 20.3
```

\* median

```
> median(mydata$Total)
```

```
[1] 52
```

\* Bar graph:

```
ggplot(mydata, aes(y=Gold, x=Teams)) + geom_bar(stat="identity")
```

\* Boxplot

```
ggplot(mydata, aes(x=Teams, y=Rank_by_Total)) + geom_boxplot()
```

\* Scatter plotting

```
ggplot(mydata, aes(x=Teams, y=Gold)) + geom_point()
```

## Quesy

### 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$Gold, mydata$Silver)
```

\* Output 0.45632 > 0.8

\* Thus Gold & Silver is strongly correlated to each other

## \* Anova test

```
mysubdata4 <- aov(mydata$Exp4 ~ mydata$Avage)  
mysubdata4
```

\* Output  $P_{(>F)}$  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 of the dataset

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

Here p-value is  $0.4462 > 0.05$

So we accept the NULL hypothesis.