Name :- Sachhak Joshi

Father's Name :- Sunil Joshi

Course :- MCA

Semester :- 1st sem

University R.no :- 2101188

Paper Name :- Scripting Language and R Lab

Paper Code :- PMC 103

Q1

```
<html>
<head>
<script>
Function validate(){
 var msg = "";
if (document.getElementById('name').value == "")
{
msg = "username";
document.getElementById('name').focus()
}
if(document.getElementById('lname').value == "")
{
if(msg != "")
{msg += ", "
}
msg += "last name"
}
if(document.getElementById('pass').value == "")
{
if(msg != "")
{
msg += " and "
}
```

Password

```
msg += "password"
}
if (msg != "")
  {
  alert ("provide " + msg);
  return false;
  }
}
</script>
</head>
<body>
<form action = "login.php" method = "post" onsubmit =
      "return validate();">
Name : <input type = "text" id = "name" ><br><br>
Last Name: <input type = "text" id = "lname" ><br><br>
Password : <input type = "password" id = "pass" ><br><br>
<input type = "submit" name = "sub" value = "Submit" >
</form>
</body>
</html>
```

Jaatnen

(Q2)

<.html>

Ans 2)- <html>

<body>

<form action = "dup.php" method = "POST">

STUDENT Name :

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

AGE :

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

EMAIL :

<input type = "email" name = "mail">

PASSWORD :

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

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

</form>

</body>

</html>

<.php>

<?php

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "first db";

```
$con = mysli_connect($servername, $username, $password
                     $dbname);

if(!$con)
 { die("Connection failed" . mysql_connect_error());
 }
else
 { echo "connection successfull";
 }
if(isset($_REQUEST['insert']))
 {
 $n = $_REQUEST['sname'];
 $a = $_REQUEST['old'];
 $e = $REQUEST['mail'];
 $p = $_REQUEST['word'];
 $insert = "INSERT INTO student info values('$n', $a,
      '$e', '$p')";
 if(mysqli_query($con, $insert))
 { echo "Data inserted <br>";
 }
 $query = 'select * from studen';
 $dat = mysqli_query($con, $query);
?>
```

```
<html>
<body>
<table border=1px; cellpadding=5; cell spacing=5;> -
<tr>
<th> Student Name </th>
<th> AGE </th>
<th> EMAIL </th>
<th> PASSWORD </th>
</tr>
<? php if (!$stdt)
{ echo "error" . msqli_error ($con);
}
$nums = msqli_num_rows ($stdt);
if (!$nums)
{ echo "error . msqli_error ($con);
}
while ($rows = mysqli_fetch_array ($stdt));
? >

<tr>
<td> <? php echo $rows ['sname']; ? > </td>
<td> <? php echo $rows ['age']; ? > </td>
<td> <? php echo $rows ['email']; ? > </td>
<td> <? php echo $rows ['password']; ? > </td>
</tr>
<? php } }
? >
</table>
</body>
</html>
```

Q3- Analyze any CSV data set using R.

Ans 3-
```
data = read.csv("C:/Users/Saarthak/Desktop/marks.csv")
View(data)
a = data %>% select(1, 2)
a
b = data %>% filter(Gender == "M")
b
head(data)
tail(data)
table(data$Name)
Str(data)
Summary(data)
```

Q4) -

Ans 4)- Descriptive :- It summarises and describe/present value of dataset.

```
data = read.csv("C:/Users/Saarthak/Desktop/marks.csv")
min(data$Age)
max(data$Age)
mean(data$Age)
median(data$Age)
range(data$Height)
sd(data$Age)/mean(data$Age)
Summary(data)
```

Inferential :- It is used to draw inferences from the data sample of huge dataset.

(1) Z- Scores and z-test :-

```
data = read.csv("C:/Users/saarthak/Desktop/marks.csv")
psd <- sd(Marks)*sqrt((length(marks)-1)/(length(marks)))
pmean <- mean(marks)
Z_Score <- (marks-pmean)/psd
```

(2)

```
data2 = read.csv("C:/Users/Saarthak/Desktop/height.csv")
z.test = function(a,mu,var){
    zeta = (mean(a)-mu)/(sqrt(var/length(a)))
    return(zeta)
}
a <- Height$Heights
z <- z.test(a,164,94.02)
p_value <- 2*pnorm(-abs(z))
```

(2) Chi-square test :-

```
tables <- table(data$Gender, data$football)
CHI <- chisq.test(tables, correct=T)
attributes(CHI)
CHI$expected
```