

Name - Pankaj Rawat

Father Name : Prabhalal Singh Rawat

University Roll no. - 2101138

Course : MCA

Semester : 1ST

Paper name - Descripting language and R lab.

Paper code : PMC 103

Type of paper : Regular

Ans) Source code :-

<html>

<head> Validate Method </head>

<body>

<form name = "myform" action = "/action.php"

onsubmit = "return validate()" name method = "post">

Name : < input type = "text" name = "fname" >

Password : < input type = "password" name = "pass" >

Course : < input type = "text" name = "course" >

< input type = "Submit" value = "Submit" >

<script>

function validate()

let x = document . Form ["myform"] ["fname"].
value ;

let x1 = document . forms ["myform"] ["pass"]. value ;

let x2 = document . forms ["myform"] ["course"]. value ;

if (x == "" && x1 == "" && x2 == "")

Pankaj

Arnav

Name - Pankaj Patel
Student ID = 21711269

{

 alert("Name, Password, course must be filled out");

{

 else if (x == "" && y == "")

{

 alert("name, password must be filled out");

{

 else if (x == "" & y2 == "")

{

 alert("name, course must be filled out");

{

 else if (x1 == "" && y2 == "")

{

 alert("Password
 name must be filled out");

{

 else if (x2 == "")

{

 alert(name

{

 alert("password, course must be filled
 out"));

{

Pankaj

Pankaj Rawat
21719269

```
else if (n == "")  
{  
    alert("name must be filled out");  
}  
else if (nl == "")  
{  
    alert("password must be filled out");  
}  
else if (nL == "")  
{  
    alert("Course must be filled out");  
}  
return false;  
}  
</script>  
<form>  
</body>  
</html>
```

Pankaj

Name - Pankaj Rawat

Student ID → 917111269

University Roll no - 210113B

Q2.

PHP Registration Form

<html>

<head>

<title> general form </title>

</head>

<body bgcolor = "aakk">

<form action = "<?php \$-PHP_SELF?>" method
= "POST">

Name :

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

Roll no. :

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

Gender :

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

Pankaj Rawat
217112G9

Address :

```

< textarea name="add" type="textarea"></textarea>
<br><br>
< input type="Submit" name="insert" value="Save" >
< input type="Reset" value="Cancel" >
</form>
</body>
<?php
if(isset($_POST['insert']))
{
    $con = mysqli_connect("localhost", "root", "");
    if($con)
    {
        echo "Mysqli connection ok<br>";
        mysqli_select_db("studinfo", $con);
        $name = strval($_POST['txtname']);
        $rollno = intval($_POST['txtrollno']);
        $gender = strval($_POST['txtgen']);
        $address = strval($_POST['add']);
    }
}

```

```

$insert = "insert info into info values('$name',
$rollno,$gender,'$address')";
if(mysqli_query($insert, $con))

```

Pankaj Rawat
21711269

{

echo "Data inserted successfully
";

}

\$query = "select * from info";

\$sldt = mysql_query (\$query, \$con);

echo "<table border='1'>

<tr>

<th> Name </th>

<th> Roll No. </th>

<th> Gender </th>

<th> Address </th>

</tr>

while(\$row = mysql_fetch_array (\$sldt))

{

echo "<tr>";

echo "<td>". \$row ['name']. "</td>";

echo "<td>". \$row ['roll no']. "</td>";

echo "<td>". \$row ['gen']. "</td>";

echo "<td>". \$row ['address']. "</td>";

echo "</tr>"

}

echo "</table>";

mysql_close (\$con);

Pankaj

Name - Pankaj Ranaut
Student Id - 21710269

```
mysql-> close ($con);  
}  
?  
$>
```

Q.3. Analyze of csv dataset using R

Description: We are provided with a dataset on the World happiness report. We will study the sheet and plot various graphs

- Setting of Working Directory
`setwd ("C:/Users/admin/Desktop")`
- Reading of .csv file data
`getdata <- read.csv ('2019 Report.csv')`
- Using dplyr() library
`library (dplyr)`

!! code

```
getwd()  
setwd ("C:/Users/admin/Desktop")  
library (ggplot2)  
library (dplyr)
```

Pankaj Ranat
21711269

```
getdata <- read.csv('2019 Report.csv')
View(getdata)
str(getdata)
str(getdata)
head(getdata)
tail(getdata)
tail(summary(getdata))
```

```
plot(x = getdata$overall.rank, y = getdata$score,
      xlab = "Overall Rank", ylab = "Score", xlim = (1,20),
      ylim = c(0,10)).
```

```
plot(x = getdata$overall.rank, y = getdata$GDP.per.capita,
      type = 'o', col = 'seagreen', xlab = "Overall Rank",
      ylab = "GDP")
```

```
boxplot(as.numeric(getdata$overall.rank), as.numeric
       (getdata$GDP.per.capita))
```

```
data <- getdata[1:5]
```

```
pie(table(data$Score), labels = getdata$Country.or.
region)
```

Name - Pankaj Rawat
University Roll no - 210113B
Student Id = 21711269

Descriptive and Inferential

Statistics plays a main role in the field of research. It helps us in collection, analysis and presentation of data.

Descriptive Statistics

It describes the important characteristics properties of the data using the measures the central tendency like mean / median / mode and the measures of dispersion like range, standard deviation, variance etc.

Data can be summarized and represented in an accurate way using charts, tables and graphs for example: we have marks of 1000 students and we may be interested in the overall performance of those students and distribution as well as the

Pankaj Rawat
21711269

spread of marks. Descriptive statistics provides us the tools to define our data in a most understandable and appropriate way.

Inferential Statistics

It is about using data from sample and then making inference about the larger population from which the sample is drawn. The goal of the inferential statistics is to draw conclusions from a sample and generalize them to the population. It determines the probability theory. The most common methodologies used are hypothesis tests, Analysis of variance etc.

For example:- Suppose we are interested in the exam marks all the students in India. But it is not feasible to measure the exam marks of all the student in India. So now we will measure the marks of a smaller sample of students for example 1000 students. This sample will now represent the large

Pankaj

Arnav
Concepts

Pankey Panat
21/11/69

population of Indian students. We would consider this sample for our statistical studying the population from which it's deduced.

Ans 4

Descriptive statistical summary (getdata)

dim (getdata)

str (getdata)

names (getdata)

inferential Statistics

1) chi-squared test

model <- chisq.test (mydata, getdata)

model

output p-value = 0.334263 > 0.05

Thus 'getdata' is highly correlated and we accept the null hypothesis.

Pankey