Name:- Saurav Rawat

Student Id :- 21711268

University Roll no.:- 2101192

Father name:- Vijay Singh

Date :- 15/03/2022

Course :- MCA Ist sem

Section:- D

Subject:- Scripting language & R Data Analysis with R

Paper:- End term - Practical - Exam - PMC 103 (Regular)

Q2) Create a Student Registration in PHP & Save & Display

```
<!Doctype html>
<html Lang = "en">
<head>
<meta Charset = "utf-8">
<meta name = "viewPort" Content = "width = device-width, initial
- Scale = 1, Shrink-to-fit = no">
<title>          Registration Form </title>
</head>
<body>
<h1> Student Registration Form </h1>
<form method = "Post"  action = "#" >
```

```
<table>
 <tr>
 <td colspan="2"> <? php echo @$msg; ?> </td>
 </tr>
 <tr>
  <td width="150"> <b> Enter your Name </b> </td>
 <td width="200">
<input type="text" Placeholder="Enter name" name="n" Pattern="[a-z A-Z]
 required /> </td>
</tr>
<tr>
    <td> <b> Enter your Email </b> </td>
<td> <input type="email" name="e" Placeholder="Enter Email"> </td>
 </tr>
<tr>
  <td> <b> Enter your address </b> </td>
 <td> <textarea name="add"> Enter address </textarea> </td>
</tr>
<tr>
  <td> <b> Select Gender </b> </td>
  <td>
   Male <input type="radio" name="g" value="m" />
  Female <input type="radio" name="g" value="f" />
  </td>
 </tr>
```

```
<tr>
  <td> <b> Date of Birth </b> </td>
<td>
   <Select name = "mm">
    <option value = " "> Month </option>
   <? PHP
    for ($i = 1; $i <= 12; $i++)
    {
     echo "<option value = '$i'> ".$i"</option>";
    }
    ?>
    </Select>
   <select name = "dd">
     <option value = " "> Date </option>
     <? PHP
   for ( $i = 1; $i <= 31 ; $i++)
    {
     echo "<option value = '$i'> . $i "</option>";
   }
    ?>
   </Select>
   <Select name = "yy">
     <option value = " "> year </option>
     <? PHP
    for ( $i = 1900 ; $ i <= 2022; $i++)
     {
    echo "<option value = '$i'> "$i </option>";
    }
    ? >
   </Select>
  </td>
  </tr>
```

```
</table>
</form>
</body>
</html>
<?php
extract ($_Post);
if ( isset ($save))
{
$dob= $yy."-".$mm."--".$dd;
if($return)
{
$msg="<font Color='red'>". ucfirst($e)." already exists
        Choose another email </font>";
}
else
{
$msg= "<font Color='blue'> your data Saved </font>";
}
}
?>
```

output

Student Registration form

Enter your name: Enter name

Enter your Email: Enter Email

Enter your Address: Enter Address

Select Gender: Male ☐ female ☐

Date of Birth: Month Date Year

Register

Ans 1.)

Source Code:-

```
<html>
<head> Validate method </head>
<body>
<form name="myform" action="action_Page.Php"
onSubmit="return validate()" method="Post">
Name : <input type="Password" name="Pass"><br>
Course : <input type="text" name="Course"><br>
<input type="Submit" Value="Submit">
<Script>
function Validate()
  let x = document.forms["myform"]["fname"].value;
  let x1 = document.forms["myform"]["Pass"].value;
  let x2 = document.forms["myform"]["Course"].value;
  if (x=="" && x1=="" && x2=="")
  {
  alert ("Name, Password, Course must be filled out");
    }
    else if (x=="" && x1=="")
        {
        alert ("name, Password must be filled out");
```

```
}
else if (x1 == "" && x2 == "")
{
alert ("Name, Course must be filled out");
}
else if (x1 == "" && x2 == "")
{
alert ("Password, Course must be filled out");
}
else if (x == "")
{
alert ("Name must be filled out");
}
else if (x1 == "")
{
alert ("Password must be filled out");
}
else if (x2 == "")
{
alert ("Course must be filled out");
}
return false;
}
</script>
</form>
</body>
</html>
```

Q3.)

```
# Dplyr library function
library (dplyr)
Setwd ("E:/MCA-D")
Mydata <- read.csv ("Vechicle.csv")
mydata

# Descriptive Statistics
Summary (mydata)
dim (mydata)
Str (mydata)
names (mydata)

# Select function
mydata <- select (mydata, Cars, average)
mySubdata

# filter and arrange function
mySubdata <- filter(mydata, average > 40)
mySubdata1
mySubdata2 <- arrange (mydata, desc(average))
mySubdata3 <- arrange (mydata, desc(Speed))

# Top and Bottom 5 average Cars
head (mySubdata2)
tail (mySubdata2)
```

mutual function to add a Column to dataset

mydata ← mutate (mydata, model = year)

Different Plot of Dataset

histogram

hist(mydata $average, Col = c('blue', 'green', 'red');
xlab = "average", ylab = "Cars", break = 5)

Scattered Plot

Plot(mydata $speed), Col = c('blue', 'green', 'red'),
xlab = "Cars", ylab = "Speed")

Barplot

barplot (mydata $average, Col = c('blue', 'green', 'red'),
xlab = "Cars", ylab = "average")

Boxplot

boxplot (mydata $average, Col = c('blue', 'green', 'red'),
xlab = "Cars", ylab = "average")

Ans 4

2

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 $Calc, mydata $average)
```

output 0.97534 > 0.8

Thus Cor & average is Strongly Correlated to Each Other

3) Annova test

```
mySubdata <- aov (mydata & average in mydata
```

$speed)

my Subdata 4

output Pr(>|t|) is 0.0014 as the value is less than 0.05 then we reject.

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