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Course :- MCA Semester :- 1st
Paper Name :- Scripting Language and R Lab
Paper Code :- PMC 103

Ans-1 Source Code :-

```
<html>
<head> validate Method </head>
<body>
<form name = "my form" action = "action.page.php"
onsubmit = "return validate()" method = "post">
Name : <input type = "text" name = "frame"> <br>
Password : <input type = "password" name = "pass">
Course : <input type = "text" name = "course">
<input type = "submit" value = "submit">
<script>
function Validate ()
let x = document.forms ["myform"] ["frame"].value;
let x1 = document.forms ["myform"] ["Pass"].valu
```

```
let x2 = document.forms["my form"]["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 (x=""&&x2=="")
{
alert("name, Course must be filled out");
}
else if (x1==""&&x2=="")
{
alert("Password, Course must be filled out");
}
else if (x=="")
{
else if (x1==="")
{ alert("password must be filled out");
}
```

```
else if (x2 == "")
{
 alert ("course must be filled out");
}
return false;
}
 </script>
</form>
</body>
</html>
```

Ans-2

```
<!DOCTYPE HTML>
<HTML>
</Head>
<Body>
<form>
<H1> Registration form</H1>
<label> first Name </Label></br>
<input type = "text" name = " name">
<Label> father Name </Label></br>
<input type = "text" name = " fname">
<label> Course </Label></br>
<input type = "text" name = " Course">
<label> type = " Ph.Number </Label>
<input type = "text" name = "No">
<Label> Email </Label>
<input type = " mail" name = " mail">
<input type = " submit" name = Submit">
</form>
```

Ans-3

```
# Dplyr Library function

library (dplyr)
Setwd ("G:/MCA")
mydata <- read. csv(" vehicle .csv")
my data
# Descriptive Statistics

Summary (mydata)
dim (mydata)
Str (mydata)
names (mydata)
# Select function
mysubdata1 <- filter select (mydata, Cars, average)
mysubdata1
# filter and arrange function
mysubdata1 <- filer (mydata, average >40)
mysubdata1
mysubdata2 <- arrange (mydata, desc(average))
mysubdata3 <- arrange (mydata , desc (speed))

# Top and Bottom 5 average Cars
head (mysubdata2)
tail (mysubdata2)
```

```
# Top and Bottom 5 average cars
head (mysubdata2)
tail (mysubdata2)
# mutate function (to add a column to dataset
mydata <- mutate (mydata, model= year)

# Different Plot of Data set

# histogram
hist (mydata $average, col= c ('blue', 'green', 'red'),
xlab = "Average", ylab = "cars", break= 50)

# 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 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.

Inferential Statistics

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

```
<?PHP
$CON= mysqli_Connect ("Localhost', 'root', '');
 Mysqli_Select_db ($com , "Student");
  if (isset ($_REQUEST ["submit"]))
  {
   $N = $_REQUEST ['name'];
   $P = $_REQUEST ['fname'];
   $C = $_REQUEST ['Course'];
   $D = $_REQUEST ['No'];
   $E = $_REQUEST ['mail'];
 $q = " insert into student values ('$N", '$P', $ 'C', $ D', $E")
 $X = mysqli_query ($con, $q);
 echo " Data submitted";
 echo " Name = $N";
echo " f.Name = $P";
echo "Course = $C";
echo " Ph.No = $D";
echo " mail id = $E";
 }
?>
 </Body>
 </HTML>
```