Name: Sakshi Manral
Roll no:-53(2101262), Student id:-21712287
Subject :- Scripting Language (PMC-103)
father name:- B.S Manral
Course :- MCA - I st Semester - D Section
Type :- Regular (End term Practical Exam)

Ans 2.)

```
<html>
<title>Student registration</title>
<h1>Student Registration form</h1>
<body>
<form method=get action="">
Enter ~~method~~ student name: <input type=
text name=t1 value="<~~text~~? PhP
if (isset($_GET['t1'])) echo $_GET['t1'];?
>"><br>

Enter student Roll no: <input type=text name
=t2 value="<?PhP
if (isset($_GET['t2'])) echo $_GET['t2'];?>"
<br>

Enter class: <input =text name=t3 value="<?
PhP if (isset($_GET['t3'])) echo $_GET['t3'];?>">

Enter Age: <input type=text name=t4 value="<br>
<?PhP
if (isset($_GET['t4'])) echo $_GET['t4'];?>"><br>

Enter Address: <input type=text name=t5 value="<?PhP
if (isset($_GET['t5'])) echo $_GET['t5'];?>"><br>
<input type=submit value=Submit><br>
</form>
</body>
```

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```
</html>
<?php
if(isset($_GET['t1']))
{
 if($name==""||$roll==""||$class==""||$age==""
                          ||$add=="")
 { echo "All fields are compulsary:";
   }
  else
  {
  $name=$_GET['t1'];
  $roll=$=$_GET['t2'];
  $class=$_GET['t3'];
  $age=$_GET['$'];
  $add=$_GET['t5'];
echo "<h1>Student Information</h1></br>";
 echo "Student name:$name</br>";
 echo "Student roll no:$roll</br>";
echo "Student class:$class</br>";
echo "Student Age :$age</br>";
 echo "Student Address:$add</br>";
  }
   }
  ?>
```

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Ans 1.)

```
<html>
<head> validate method </head>
<body>
<form name = "myform" action = "/action_page.php"
onSubmit = "return validate()" method = "Post" >
Name: <input type = "text" name = "fname" > <br>
Password : <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 (x == "" && x2 == "")
{ alert ("name, course must be filled out");
}
```

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```
else if (x1==" " && x2==" ")
{ alert ("Password, Course must be filledout");
  }
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>
```

Sakshi

Name: Sakshi Manral. (5)
Roll no:- 53 (210262), Student id:- 21712287
Subject:- R Lab
Course:- MCA. Ist Semester, D. Section
father name:- B S Manral
Type - Regular (End term Pratical Exam)

Ans.3.)

S.No	id,	name,	Sby,	Start_date	dept
1	1	Rick	623.30	2012-01-01	IT
2	2	Dan	515.20	2013-09-23	Operation
3	3	Michelle	611.00	2014-11-15	IT
4	4	Ryan	729.00	2014-05-11	HR
5	NA	Gary	843.25	2015-03-27	finance
6	6	Nina	578.00	2013-05-21	IT

→ Reading a CSV file :- (read.CSV) function is used for reading a CSV file.

```
data <- read.CSV("input.CSV")
Print (data)
```

→ Analyzing the CSV file
By Default as a data frame.

```
data <- read.CSV("input.CSV")
Print (is.data.frame(data))
Print (ncol(data))
Print (nrow(data))
```

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→ Get the maximum Salary :-

```
# Create a data frame.
  data <- read-CSV ("input: CSV")
# Get the max Salary from data frame.
  Sal <- max (data$Salary)
  Print (Sal)
```

→ Get the details of the Person with max Salary

```
  # Create a data frame.
  Sal <- max (data $Salary)
# Get the Person details having max Salary
  retval <- Subset (data, Salary == max (Salary))
  Print (retval)
```

→ Get all the People working in IT department

```
# Create a data frame.
  data <- read-CSV (input.CSV")
  retval <- Subset (data, dept == "IT")
Print (retval)
```

→ Get the people who joined on or after 2014

```
# Create a data frame
  data <- read.CSV ("input.CSV")
  retval <- Subset (data, as.Date (Start_date) > as
                    Date ("2014-01-01"))
  Print (retival)
```

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→ Writing into CSV file

The (write.csv()) function is used to create the CSV file.

```
# write filtered data into a new file
write.csv(retval, "output.csv")
newdata <- read.csv("output.csv")
Print(new data).
```

Ans 4.) # Descriptive Statistics

```
Summary(input.csv)
dim(input.csv)
Str(input.csv)
names(input.csv)
```

inferential Statistics

1) Chi-Squared test

```
model <- Chisq.test("input.csv")
```

2.) # correlation coefficient

```
Cor("input.csv"$Salary, input.csv$dept)
```

3.) Anova test

```
input.csv 4< -aov(input.csv$Salary
input.csv$dept
```

4.) T-test

The T test gives us the T-Score for the dataset

```
t.test("input.csv, mu=100)
```

Sakshi