

Ans 1. Source code:-

```

<html>
<head> validate Method </head>
<body>
<form name = "my forum" action = "/action.page.php"
onsubmit = "return validate () method: "post">
Name: <input type = "text" name = "name"> <br>
Password: <input type = "password" name = "pass"> <br>
Course: <input type = "text" name = "course"> <br>
<input type = "submit" value = "submit">
<script>
function Validate ()
{
let u = document.forms ("myforum") ["name"].value
let u1 = document.forms ("myform") ["pass"] = value value
let u2 = document.forms ["my form"] ["course"].value value;
if (u == "" & u1 == "" & u2 == "")
{
alert ("Name, password, course must be filled out");
}
else if (u == "" & u1 == "")
{
alert ("name, password must be filled out");
}
else if (u == "" & u2 == "")
{
alert ("name, course must be filled out");
}
else if (u1 == "" & u2 == "")
{
alert ("password, course must be filled out");
}
}

```



```
}  
else if (u2 == "")  
{  
else if (u1 == "")  
{  
alert ("password must be filled out");  
}  
else if (u2 == "")  
{  
alert ("course must be filled out");  
}  
return false;  
}
```

```
</script>  
</form>  
</body>  
</html>
```


Ans 2.

```
<html>
```

```
<head>
```

```
<title>general form</title>
```

```
</head>
```

```
<body bgcolor = "aakik">
```

```
<form action = "<?php $_PHP_SELF?>" method = "POST">
```

Name :

```
<input type = "text" name = "txtname">
```

```
<br><br>
```

Roll no :

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

```
<br><br>
```

Gender :

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

```
<br><br>
```

Address :

```
<textarea name = "add" type = "textarea"></textarea>
```

```
<br><br>
```

```
<input type = "Submit" name = "Insert" value = "Save">
```

```
<input type = "Reset" value = "Cancel">
```

```
</form>
```

```
</body>
```

```
</html>
```

```
<?php
```

```
if (isset($_POST['Insert']))
```



```
$con = mysql_connect("localhost", root, "");
if ($con)
```

```
{
    echo "Mysql connect('localhost', root,
    echo "Mysql connection ok <br>";
    mysql_select_db('studinfo', $con);
```

```
$name = strval($_POST['txtname']);
$rollno = intval($_POST['txtrollno']);
$gender = strval($_POST['txtgen']);
$address = strval($_POST['add']);
```

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

```
{
    echo "Data inserted successfully <br>";
}
```

```
$query = "select * from info";
$result = mysql_query($query, $con);
```

```
echo "<table border = '1'>
<tr>
```

```
    <th>Name </th>
```

```
    <th>Roll No </th>
```

```
    <th>Gender </th>
```

```
    <th>Address </th>
```

```
</tr>";
```

```
while($row = mysql_fetch_array($result))
```



```
{  
    echo "<tr";  
    echo "<td>". $row['name']. "</td>";  
    echo "<td>". $row['rollno']. "</td>";  
    echo "<td>". $row['gen']. "</td>";  
    echo "<td>". $row['address']. "</td>";  
    echo "</tr";  
}  
echo "</table>";
```

```
mysql_close($con);
```

```
}
```

```
}
```

```
?>
```


Ans 3. Objective: To analyse a csv dataset ("Main data") using R.

Code:

```
# Setting the primary working directory
setwd("E:/Rfiles")
```

```
# Importing libraries required
library(dplyr)
library(ggplot2)
```

```
# Importing Csv file
Data <- read.csv("E:/R Files/Main Data.csv")
```

Analysis

```
names(Data)
[1] "Name" "Author" *Units sold* *Price* *Year*
[6] "Genre"
```

```
str(Data)
```

```
"data frame": 72 obs. of 6 variables
$ Name : chr - -
$ Author :
$ Units sold :
$ Price :
$ Year :
$ Genre :
```


dim (Data)

[1] 72 6

tells about rows and columns of data set

summary (Data)

Name:	Author	Units sold
length: 72		Min: 37
class: character		1st Qu.: 3107
Mode: character		Median: 6226
		Mean: 9643
		3rd Qu.: 12652
Year	Genre	Max.: 61133

• Plotting

list (Data \$ Year) # No. of books sold every year.

boxplot (Data \$ units.sold) # tells statistical analysis of sold.

plot (Data \$ year, Data \$ units.sold)

Q4. Descriptive statistics.

In descriptive statistics, On the collected data we discuss about the data and talk of about observation that can be clearly seen in data such as unit sold by each author, which book sold in which year.

Characteristic properties of data using mean/median/mode

for units sold

Data & units sold

- Min, 37

lowest no. of books sold is 37.

- Median: 6221

It lies in the centre of high slow

- Mean: 9643

It is average no. of books sold

- Max: 61133

Highest no. of books sold by any author

Inferential statistics:

In inferential statistics a data is collected and is analysed to value judgements or claims about the sample for example which year had largest no. of books released, which author had high no. of books sold.

line graph (Data & Year)

- This graph shows No. of books released every year and 2009 was most promising for books and there is gradual decrease in books released.

stripchart (Data & Price)

- This graph shows most books were released in price range of 10 to 40 \$ and very less books are sold in price of 100 \$.

bar plot (Data & Units sold)

Book by J.K. Rowling has highest no. of units sold.

pie chart (Data & Genre)

people prefer fiction over non-fiction