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COURSE NAME	:-	MCA
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EXAM TYPE	:-	Regular

Signature :-

Q1

```
//simp_validatn.html.
<html>
<head>
<title> validate() method </title>
<script>
function validate()
{
    var msg = ""; if (document.getElementById('log').
                        value == "")
{
    msg = "username"; document.getElementById('log').
        focus();
    if (document.getElementById("pass").value == "")
{
    if (msg != "")
{
    msg += "and"
}
msg += "password";
}
    if (msg != "")
{
    alert ("provide" +msg); return false;
}
}
</script>
<head>
<body onload=document.getElementById('log').focus
()>
```

```
<form action = "login.php" method = "post" onsubmit =
"return validate();" > login_Name :
<input type = "text" id = "log" > <br> <br>
password : <input type = "password" id = "pass"
placeholder = "Enter your pass" > <br> <br>
<input type = "submit" name = "Submit" value =
"login" >
</form>
</body>
</html>
```

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Q2

STUDENT Registration form.

```
<html>
 <head>
  <title> Registration form for Students </title>
  </head>
  <body>
   <br> <br>
   <center>
   <form name = "formRegistration" method = "post"
      action = "action.php" Target = "_blank">
   <table border = "0" width = "800" align = "center">
   <tr> <th colspan = 2 > Registration form </th> </tr>
    <tr> <td> username </td>
    <td> <input type = "text" name = "username" </td>
    </tr>
   <tr> <td> First Name </td>
    <td> <input type = "text" name = "First Name" value =
     "first name"> </td> </tr>
   <tr> <td> Last Name </td>
   <td> <input type = "text" name = "last Name" value = "lastName">
   </td> </tr>
   <tr> <td> password </td>
   <td> <input type = "password" name = "password" value = "password">
   </td> </tr>
   <tr> <td> Gender </td>
   <td> <input type = "radio" name = "gender" id = "gender"
    value = "Male" > Male.
   </td>
   </tr>
```

```
<tr>
<td> input type = "checkbox" name = "terms"> accept
 Terms & conditions </td>
</tr>
<tr> <th colspan = 2>
<div> <input type = "submit" name = "Submit" value = "Registe
</div>
</th> </tr>
</table>
</form
</body>
</html>
```

//action.php.

```
<html>
<head>
<title> Submitted Data </title>
</head>
<body>
<center>
<br><br>
<?php
 foreach ($_post as $key => $value) { if (empty ($_post
  [$key])) {
$message = Ucwords ($key) . "field is Required"; break;
}
}
```

```
if ($_post ["passward"] != $_post['Confirm_password'])
{ $massagr = "password Shouldbe same <br>";
}
if (!filter_var ($_post ["User Email"], FILTER_VALIDATE_
                                        EMAIL))
  { $messagr = "Invalid user Email";
  }
  if (!isset ($messagr)) {
    if (!isset ($_post ["gender"])) {
      $messagr = "Gender field is Required";
    }
  }
print ("table width = '700' > <tr> <th Colspan = 2> Registration form
  </th> </tr>");
print ("<tr> <td align = 'right'> Username : </td> <td>".
  $_post ["User Name"]. "</td> </tr>");
  print ("<tr> <td align = "right"> Lastname : </td><td>";
  print ("<tr> <th> Colspan = 2 > </th> </tr> </table>
  </body>
  </html>");
  ?>
```

Q3

Analyze any CSV dataset using R

Index.csv

id	Name	Salary	Dept	Location	Joining-date
01	Vinay	$1,000	Tech	Haryana	22-10-16
02	Rahul	$10,000	Sales	Dubai	16-10-14
03	Danny	$ 2,000	Finance	Singapore	08-01-19
04	Chris	$ 3,000	Architect	USA	10-03-20
05	Luke	$ 5,000	HR	Chennai	29-09-21

Reading a CSV file -

```
data <- read.csv("index.csv") # read.csv() function
                              # to read a csv file
```

Analyzing the CSV file -

```
data <- read.csv("index.csv")
print(is.data.frame(data)) #output True
print(ncol(data))          #output - 6
print(nrow(data))          # output - 5
```

- Get the max salary.

```
# create a data frame
  data <- read.csv("index.csv")
# Get the details of the person with max salary.
  data <- read.csv("index.csv")
```

- Get all people working in tech department

```
data <- read.csv("index.csv")
mytech <- subset(data, dept=="IT")
print(mytech)
```

output.

id	name	salary	Dept	location	joining_date
01	Vinay	$1000	Tech	Haryana	22-10-16

04

Thus

Descriptive statistics.

```
summary(mydata)
dim(mydata)
str(mydata)
names(mydata)
```

inferential statistics

1) chi-squared test.

```
model <- chisq.test(mydata)
model
```

output p-value = 0.44..

thus "mydata" is highly random, redundant accept the Null hypothesis.

2) # Correlation coefficient.

cor(mydata $ Name, mydata $ average)

output : 0.78.

correct hypothesis.

3) Anova test.

mysubdata 4 ← aov (mydata $ average ~ mydata $ Sh

mysubdata.4.

4) T-Test.

this gives us the T-score for the dataset ~~t.trs t C~~

t.test (mydata, mu = 100)

Hmm p-value is 0.44 > 0.05

so we accept the NULL Hypothesis.