

Name → Ankita Dabral Univ. Roll No. → 2101030 Course → MCA-1C
Class Roll No. → 62 Subject - Scripting Language. ①

Ans 1 →

```
<!DOCTYPE HTML>
<html>
<head>
<script>
function validate () {
    var x =
document.forms ["MyJourn"] ["fname"].value;
    if (x == "" || x == null) {
        alert ("Name must be filled out");
        return false;
    }
}
</script>
</head>
</body>
```

<h2> Java Script validation for empty input field </h2>

<P> try to submit the form without entering any text. </P>

< form name = "My Journ" action = "/action_page .php"
on submit = "return validate ()"
method = "Post" required >

Name : <input type = "text" name = "fname">
<input type = "submit" value = "submit">
</form>
</body>
</html>

Ankita Dabral

Ans 2

②

<html>

<head>

<title> Student Registration form </title>

</head>

<body>

<h2> Student Registration form </h2>

<form action = "Submit.php" method = "POST">

<input type = "text" name = "Student first Name" value = "" Place holder = "Student first Name">

<input type = "text" name = "Student last name" value = "" place holder = "Student last Name">

<input type = "text" name = "Father's Name" value = "" placeholder = "Father's Name">

<input type = "text" name = "Mother's Name" value = "" placeholder = "Mother's Name">

<input type = "date" name = "DOB" value = "" placeholder = "DOB">

<input type = "text" name = "Mobile Number" value = "" placeholder = "Mobile Number">

<input type = "Submit" name = "submit">

</form>

</body> </html>

Submit PHP

<!DOCTYPE html>

<html>

<head>

Ankita Jaiswal

(3)

```
<title> Registration-form </title>
```

```
</head> <body>
```

```
<h2>thankyou for submitting the form </h2>
```

```
<!-- Getting the output form the form value provided through  
      'form.php' -->
```

```
Student's First Name: <?php echo $_POST['Student-First Name']  
                        ?><br />
```

```
Student's Last Name: <?php echo $_POST['Student Last Name']  
                      ?><br />
```

```
Student's father's Name: <?php echo $_POST['father's Name']?>  
                          <br />
```

```
Student's Mother's Name: <?php echo $_POST['Mother's Name']?>  
                          <br />
```

```
Student's Date of Birth: <?php echo $_POST['DOB']?> <br />
```

```
Student's Mobile Number: <?php echo $_POST['Mobile Number']  
                          ?><br />
```

```
</body>
```

```
</html>
```

Abhishek

Name → Ankita Dabral Univ. Roll No. → 2101030 Course → MCA-1C
Class Roll No. → 62 Subject - Statistical & data analysis using R. ①

Ans 3 → Reading a CSV file → reading a csv file available in your current working directory
data (- read.csv ("Employee.csv"))
print (data)

When we execute the above code it produces the following:

	id	name	Salary	Start date	dept.
1	1	Rick	623.30	2012-01-01	IT
2	2	Dan	515.20	2013-09-23	operations
3	3	Michell	611.00	2014-11-15	IT
4	4	Ryan	729.00	2014-05-11	HR
5	5	Gang	843.25	2015-03-24	finance
6	6	Nina	578.80	2013-05-21	IT
7	7	Simran	637.80	2013-07-30	operations
8	8	Quen	722.50	2014-06-17	finance

Analyzing the CSV file → By default the read.csv() fⁿ gives the output as a data frame.

data ← read.csv ("Employee.csv")

print (is.data.frame (data))

print (ncol (data))

print (nrow (data))

Output

[1] TRUE

[1] 5

[1] 8

Ankita Dabral

(2)

the person with max salary →

```
sal <- max(data$salary) # Get the max salary from data frame.
```

```
retval <- subset(data, salary == max(salary))
```

```
print(retval)
```

Get the person detail having max. salary

Output

id	name	salary	start date	dept
5	John Gary	843.25	2015-03-27	finance

all the people working in IT department

```
retval <- subset(data, dept == "IT")
```

```
print(retval)
```

Output

	Id	name	salary	start date	dept.
1	1	Rick	623.3	2012-01-01	IT
3	3	Michelle	611.0	2014-11-15	IT
6	6	Nina	578.0	2013-05-21	IT

Ankita Kataria

(Ans 4) Descriptive statistics

Summary → gives us the descriptive stats like

In case of Numerical data :-

gives mean, median, Range

Measure of Central Tendency

= mean (employee \$ salary)

656.88125

[on average person spent
\$ 656.88125 salary]

= mode (employee \$ dept) [most common dept]
employee table

= median (employee \$ salary)

729.00

Measure of spread

range (employee \$ salary)

512.20 - 843.25

=> var (employee \$ salary)

1469.437

=> sqrt Var (employee \$ salary)

38.3384

Inferential statistics

→ Hypothesis testing →

data < - subset (employee, Employee \$ salary = 1)

Ankit Patel

test 2 - function (a,b,n) {

sample mean = mean(a)

pop - mea = mean(b)

c = nrow(n)

var.b = var(a)

zet a = (sample - mean - pop - mean) / sqrt(var.b/c)

return zet a,

Adhikari