Ques 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 = "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["my form"]["fname"].value;
Let x1 = document.forms["my form"]["pass"].value;
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 == "")
{
  alert (" name must be filled out ");
}
  else if (x1 == "")
  {
   alert (" password must be filled out ");
  }
  else if (x2 == "")
  {
   ~~else if~~
    alert (" cource must be filled out ");
  }
  return false;
}
</script>
</form>
</body>
</html>
```

Name: Swaraj Rawat
ID : 21711283
MCA 1st 'D'

Question 2. Create a student registration in PHP and save and Display the student Records.

=>
```
<html>
<head>
<title> general form </title>
</head>
<body bg color = "aakk">
<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>

Adress:
<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","");~~
  ~~if($con)~~
  ~~{ $con = m~~
  { echo "Mysql connection ok <br>";
    mysql_select_db("studinfo", $con );
    $name = strval($_POST['txtname']);
    $rollno = intval($_POST['txtr_no']);
    $gender = strval($_POST['txtgen']);
    $address = strval($_POST['add']);
   $insert = "insert info values ('$name',$rollno,
              '$gender',,$address')";
    if(mysql_query($insert,$con))
    {
      echo "Data inserted succesfully <br>";
    }
    $query = "select * from info";
    $sldt = mysql_query($query,$con);
    echo "<table border='1'>
    <tr>
```

```
<th> Name </th>
<th> Roll No </th>
<th> Gender </th>
<th> Addres </th>
</tr>
while ($row = mysql_fetch_array ($sldt))
{
    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.

```
# Dplyr library function
library (dplyr)
setwd ("G:/MCA")
my data <- read.csv("vehicle.csv")
my data
# Descriptive statistics
summary (my data)
dim (my data)
str (my data)
names (my data)
# select function
my subdata <- select (my data, cars, average)
my sabdata
# filter and arrange function
my subdata <- filer (my data, average > 40)
my subdata1
mysubdata 2 <- arrange (my data, des (average))
my subdata3 <- arrange (my ddata, des (speed))

# Top and Bottom 5 average cars
head (my subdata2)
tail (my subdata 2)
# mutate function (to add a column to dataset
my data <- mutate (mydata, model = year)
```

Different Plot of Dataset

Histogram

```
hist (my data $average, col = c('blue','green','red'),
xlab = "Average", ylab = "cars", break = 50)
```

Scattered Plot

```
plot (my data $speed, col = c('blue','green','red'),
xlab = "cars", ylab = "speed")
```

Barplot

```
barplot (my data $average, col = c('blue','green','red'),
xlab = "cars", ylab = "average")
```

Box plot

```
boxplot (my data $average, col = c('blue','green','red')
xlab = "cars", ylab = "average")
```

Answer 4.

```
# Descriptive Statistics
    summary (my data)
    dim (my data)
    str (my data)
    names (my data)
  # inferential statistics
   1) Chi-squared. test
    model <- chisq.test (my data)
    model
  # output p-value = 0.334263 > 0.05
  # Thus 'my data' is highly corelated and we
    accept the NULL Hypothesis
2) # correlation coefficient
    cor (my data $ cars, my data $ average)
    # output 0.97534 > 0.8
    # Thus cars & average is strongly correlated to
      each other
3) Annova test
    my subdata 4 <- aov (my data$ average ~ my data $ speed)
    my subdata 4
  # output Pr (>F) is 0.004 as this value
    is less than 0.05 then we reject
```

NULL Hypotheris and accept the alternative Hypotheris

4) T-Test

This gives us the T-score for the datasheet

t.test(my data, mu = 100)

Here p-value is 0.334263 > 0.05

so we accept the NULL Hypotheris