

Name - Ashish Bight

Student id - 21711265

Q1.

```
<html>
<head>
<title> </title>
<meta http-equiv = "Content-type" Content = "text/html",
      charset = "unicode" />
<meta Content = "Coffee cup time editor
      (www.coffee.cup.com)" name = "generator" />
</head>
<body>
<script language = "Java Script">
    function IsEmpty() {
        if (document.form.question.value == "") {
            alert("empty");
        }
        return;
    }
</script>
<input name = "question" /> <br />
<input id = "input" onclick = "IsEmpty()" &
    type = "submit" value = "Add Question" />
</body>
</html>
```

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Q.2 <html>

<head>

<title> general form </title>

</head>

<body bgcolor = "aakk">

<form action = "<?php \$- PHP SELF?>" method = "POST">

<Name :

<input type = "text" name = "txtrame">

Roll no.

<input type = "text" name = "txtrno">

Gender:

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

Address:

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

<input type = "Submit" name = "inert" value = "Save">

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

</form>

</body>

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```
</html>
<?php
if (isset($_POST['insert']))
{
    $con = mysql_connect("localhost", "root", "");
    if ($con)
    {
        echo "mysql connection ok <br>";
        mysql_select_db("Studinfo", $con);
        $name = stripslashes($_POST['txname']);
        $rollno = intval($_POST['txtr-no']);
        $address = stripslashes($_POST['add']);
        $insert = "insert into info values ('$name', $rollno, '$gender', '$address')";
        if (mysql_query($insert, $con))
        {
            echo "Data insed inserted successfully <br>";
        }
        $query = "select * from info";
        $slct = mysql_query($query, $con);
        echo "<table border='1'>
        <tr>
            <th> Name </th>
            <th> Roll no </th>
            <th> Gender </th>
```

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```
<th> Address </th>
</tr>;
while($row = mysql_fetch_array($stmt))
{
    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);
}
```


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Qs. # Dplyr library function

```
library(dplyr)
```

```
setwd("C:/MCA")
```

```
mydata <- read_csv("vehicle.csv")
```

```
mydata
```

Descriptive statistics

```
summary(mydata)
```

```
dim(mydata)
```

```
str(mydata)
```

```
names(mydata)
```

select function

```
my_subdata <- select(mydata, carb, average)
```

```
my_subdata
```

filter and arrange function

```
my_subdata <- filter(mydata, average > 40)
```

```
my_subdata_1
```

```
my_subdata_2 <- arrange(mydata, desc(average))
```

```
my_subdata_3 <- arrange(mydata, desc(speed))
```

Top and Bottom 5 average Cars

```
head(my_subdata_2)
```

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tail(mydata2)

mutate function (to add a column to dataset)

mydata <- mutate(mydata, mode=year)

2. Different Plots of Dataset

histogram

hist(mydata\$average, col=c('blue', 'green', 'red'),
xlab="Average", ylab="Cars", break=5)

scattered plot

plot(mydata\$speed, col=c('blue', 'green', 'red'),
xlab="Cars", ylab="speed")

Barplot

barplot(mydata\$average, col=c('blue', 'green', 'red'),
xlab="Cars", ylab="average")

Boxplot

boxplot(mydata\$average, col=c('blue', 'green', 'red'),
xlab="Cars", ylab="average")

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Q4. # Descriptive Statistics

summary(mydata)

dim(mydata)

str(mydata)

names(mydata)

Inferential Statistics

1) Chi-squared test

model <- chisq.test(mydata)

model

output p-value = 0.234263 > 0.05

Since 'mydata' is highly correlated and we accept the Null Hypothesis

2) Correlation Coefficient

cor(mydata[, Cars], mydata[, average])

Output 0.97534 > 0.8

Since Cars & average is strongly correlated to each other

3) Anova test

mysubdata <- aov(mydata[, average] ~ mydata[, speed])

mysubdata

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output for (z_p) is 0.0014 as this value
is less than 0.05 then we reject

Null Hypothesis and accept the alternative
Hypothesis

4) T-Test

This gives us the T-score for the dataset
`t.test(mydata, mu=100)`

Here p-value is $0.334262 > 0.05$

So we accept Null Hypothesis

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output for (ZP) is 0.0014 as this value is less than 0.05 then we reject

Null Hypothesis and accept the alternative Hypothesis

4) T-test

This gives us the T-score for the dataset
`t.test(mydata, mu=100)`

Here p-value is 0.334262 > 0.05

So we accept Null Hypothesis