

### Answer 1-

```
<th>C-No </th>
<th>C-Name </th>
<th>Item-purchased </th>
<th>mob-no </th>
</tr>
while ($row = mysql_fetch_array($sql))
{
    echo "<tr>";
    echo "<td>". $row ['C-No'], "</td>";
    echo "<td>". $row ['C-name'], "</td>";
    echo "<td>". $row ['item-purchased'], "</td>";
    echo "<td>". $row ['mob-no'], "</td>";
    echo "</tr>";
}
echo "</table>";
?>
</body>
</html>
```

*Aditya*

Name → Manjeet Singh  
University Roll no → 2101110

Course → MCA

Semester → 1st

Subject → Scripting Language (Tmpl03) and R Programming

Answer → 1

<html>

<head>

<title> Data format </title>

</head>

<body>

<?PHP

\$con = mysql\_connect("localhost", "root", "");

if (!\$con)

{

die("not connected". mysql\_error());

}

echo "Connection open". "<br>";

\$sldb = mysql\_select\_db("cust", \$con);

if (!\$sldb) {

die("not found", mysql\_error());

}

echo "Database selected". "<br>";

\$query = "select \* from customer";

\$sql = mysql\_query(\$query);

echo "<table border='1'>

<tr>

Simple.

## Answer 2-

```
(2. <!doctype html> <html>
  <head>
    <title> jquery hide and show </title>
    <Script src="https://code.jquery.com/jquery.js"></Script>
    <style>
      .button {
        text-align: center;
        display: inline-block;
        font-size: 14px;
        cursor: pointer;
      }
    </style>
    <script>
      $(document).ready(function () {
        $("#show").click(function () {
          $("#h2").show();
        });
        $("#hide").click(function () {
          $("#h2").hide();
        });
      });
    </script>
  </head>
  <body>
    <h2> Manjeet </h2>
    <button class="button" id="hide"> hide </button>
    <button class="button" id="show"> show </button>
  </body>
</html>
```

*Autimyle*

### Answer 3-

R Programming →

Question → 3 Analyze csv dataset using R.

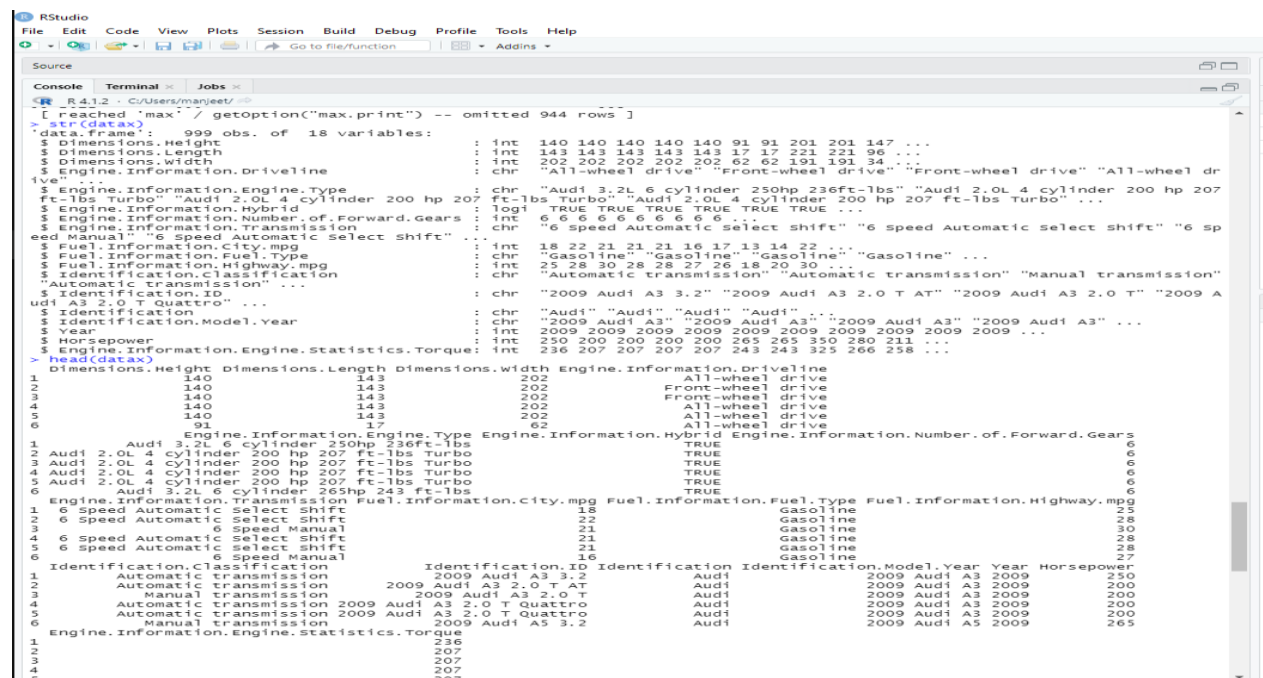
- ① ⇒ working directory -  
`setwd("C:/Users/rTanjeet")`
- ② ⇒ Read of .csv file -  
`datax <- read.csv("car.csv")`
- ③ ⇒ Structure of dataset →  
`str(datax)`
- ④ ⇒ head of data set →  
`head(datax)`
- ⑤ ⇒ tail of dataset →  
`tail(datax)`
- ⑥ ⇒ minimum of dataset →  
`min(datax$Horsepower)`
- ⑦ ⇒ maximum of data set →  
`max(datax$Horsepower)`
- ⑧ ⇒ Mean of dataset →  
`mean(datax$Horsepower)`
- ⑨ ⇒ Median of data set → `median(datax$Horsepower)`
- ⑩ ⇒ Summary of dataset → `summary(datax)`
- ⑪ ⇒ quantile of dataset → `(datax$Horsepower)`

# Setting Of Working Directory—

```
setwd("C:/Users/manjeet")
```

## Reading Of .csv file—

```
datax <- read.csv("car.csv")
```



The screenshot shows the RStudio interface with the console window open. The code executed is `read.csv("car.csv")`, which has loaded a dataset with 999 observations and 18 variables. The console output displays the structure of the data frame, including the number of observations and variables, and the data types of each variable. The variables are: Dimensions.Height (integer), Dimensions.Length (integer), Dimensions.Width (integer), Engine.Information.DriveLine (character), Engine.Information.Engine.Type (character), Engine.Information.Hybrid (logical), Engine.Information.Number.of.Forward.Gears (integer), Engine.Information.Transmission (character), Fuel.Information.City.mpg (integer), Fuel.Information.Highway.mpg (integer), Identification.Classification (character), Identification.ID (character), Identification.Model.Year (character), Year (integer), and Horsepower (integer). The output also shows the first few rows of the data frame, including the dimensions, engine information, fuel information, and identification details for several Audi models.

```
RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
[ reached "max" / getoption("max.print") -- omitted 944 rows ]
> str(datax)
'data.frame':   999 obs. of  18 variables:
 $ Dimensions.Height      : int  140 140 140 140 140 91 91 201 201 147 ...
 $ Dimensions.Length      : int  143 143 143 143 17 17 221 221 96 ...
 $ Dimensions.Width       : int  202 202 202 202 202 62 62 191 191 34 ...
 $ Engine.Information.DriveLine : chr  "All-wheel drive" "Front-wheel drive" "Front-wheel drive" "All-wheel drive" ...
 $ Engine.Information.Engine.Type : chr  "Audi 3.2L 6 cylinder 250hp 236ft-lbs" "Audi 2.0L 4 cylinder 200 hp 207 ft-lbs Turbo" "Audi 2.0L 4 cylinder 200 hp 207 ft-lbs Turbo" ...
 $ Engine.Information.Hybrid : logi  TRUE TRUE TRUE TRUE TRUE TRUE ...
 $ Engine.Information.Number.of.Forward.Gears : int  6 6 6 6 6 6 6 6 6 ...
 $ Engine.Information.Transmission : chr  "6 Speed Automatic Select Shift" "6 Speed Automatic Select Shift" "6 Speed Automatic Select Shift" "6 Speed Automatic Select Shift" ...
 $ Fuel.Information.City.mpg : int  18 22 21 21 21 16 17 13 14 22 ...
 $ Fuel.Information.Highway.mpg : int  25 28 30 28 28 27 26 18 20 30 ...
 $ Identification.Classification : chr  "Automatic transmission" "Automatic transmission" "Manual transmission" "Automatic transmission" ...
 $ Identification.ID : chr  "2009 Audi A3 3.2" "2009 Audi A3 2.0 T AT" "2009 Audi A3 2.0 T" "2009 Audi A3 2.0 T Quattro" ...
 $ Identification.Model.Year : chr  "Audi" "Audi" "Audi" "Audi" ...
 $ Year : int  2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
 $ Horsepower : int  236 207 207 207 207 243 243 325 260 238 ...
 $ Engine.Information.Engine.Statistics.Torque : int  236 207 207 207 207 243 243 325 260 238 ...
> head(datax)
  Dimensions.Height Dimensions.Length Dimensions.Width Engine.Information.DriveLine
1             140             143             202                All-wheel drive
2             140             143             202                Front-wheel drive
3             140             143             202                Front-wheel drive
4             140             143             202                All-wheel drive
5             140             143             202                All-wheel drive
6             91             17             62                All-wheel drive
  Engine.Information.Engine.Type Engine.Information.Hybrid Engine.Information.Number.of.Forward.Gears
1 Audi 3.2L 6 cylinder 250hp 236ft-lbs TRUE
2 Audi 2.0L 4 cylinder 200 hp 207 ft-lbs Turbo TRUE
3 Audi 2.0L 4 cylinder 200 hp 207 ft-lbs Turbo TRUE
4 Audi 2.0L 4 cylinder 200 hp 207 ft-lbs Turbo TRUE
5 Audi 2.0L 4 cylinder 200 hp 207 ft-lbs Turbo TRUE
6 Audi 3.2L 6 cylinder 265hp 243 ft-lbs TRUE
  Engine.Information.Transmission Fuel.Information.City.mpg Fuel.Information.Fuel.Type Fuel.Information.Highway.mpg
1 6 Speed Automatic Select Shift 18 Gasoline 25
2 6 Speed Automatic Select Shift 22 Gasoline 28
3 6 Speed Automatic Select Shift 21 Gasoline 30
4 6 Speed Automatic Select Shift 21 Gasoline 28
5 6 Speed Automatic Select Shift 21 Gasoline 28
6 6 Speed Automatic Select Shift 16 Gasoline 27
  Identification.Classification Identification.ID Identification.Model.Year Year Horsepower
1 Automatic transmission 2009 Audi A3 3.2 Audi 2009 Audi A3 2009 236
2 Automatic transmission 2009 Audi A3 2.0 T AT Audi 2009 Audi A3 2009 207
3 Manual transmission 2009 Audi A3 2.0 T Audi 2009 Audi A3 2009 207
4 Automatic transmission 2009 Audi A3 2.0 T Quattro Audi 2009 Audi A3 2009 207
5 Automatic transmission 2009 Audi A3 2.0 T Quattro Audi 2009 Audi A3 2009 207
6 Manual transmission 2009 Audi A3 3.2 Audi 2009 Audi A3 2009 236
  Engine.Information.Engine.Statistics.Torque
1 236
2 207
3 207
4 207
5 207
6 236
```



```
File Edit Code View Plots Session Build Debug Profile Tools Help
R 4.1.2 - C:/Users/manjeet/
Source Console Terminal Jobs
> tail(datax)
  Dimensions.Height Dimensions.Length Dimensions.Width Engine.Information.DriveLine
994      214      15      161      Front-wheel drive
995      214      23      161      Front-wheel drive
996      41      25      57      Rear-wheel drive
997      2      25      57      Four-wheel drive
998      52      25      57      Four-wheel drive
999      54      25      57      Four-wheel drive
994 Volkswagen 4.0l 6 Cylinder 251hp 259 ft-lbs TRUE Hybrid Engine.Information.Number.of.Forward.Gears 6
995 Volkswagen 4.0l 6 Cylinder 251hp 259 ft-lbs TRUE Hybrid Engine.Information.Number.of.Forward.Gears 6
996 Nissan 4.0L 6 Cylinder 266 hp 288 ft-lbs TRUE Hybrid Engine.Information.Number.of.Forward.Gears 5
997 Nissan 4.0L 6 Cylinder 266 hp 288 ft-lbs TRUE Hybrid Engine.Information.Number.of.Forward.Gears 5
998 Nissan 4.0L 6 Cylinder 266 hp 288 ft-lbs TRUE Hybrid Engine.Information.Number.of.Forward.Gears 5
999 Nissan 5.6L 8 Cylinder 310 hp 388 ft-lbs TRUE Hybrid Engine.Information.Number.of.Forward.Gears 18
994 Engine.Information.Transmission.Fuel.Information.City.mpg Fuel.Information.Fuel.Type Fuel.Information.Highway.mpg
994      6 Speed Automatic      17      Gasoline      25
995      6 Speed Automatic      17      Gasoline      25
996      5 Speed Automatic      15      Gasoline      22
997      5 Speed Automatic      14      Gasoline      20
998      5 Speed Automatic      14      Gasoline      20
999      5 Speed Automatic      13      Gasoline      18
994 Identification.Classification      2010 Volkswagen Routan SEL Identification.Model.Year Year
994      Automatic Transmission      2010 Volkswagen Routan SEL      2010 Volkswagen Routan 2010
995      Automatic Transmission      2009 Nissan Pathfinder LE      2009 Nissan Pathfinder 2009
996      Automatic Transmission      2009 Nissan Pathfinder SE Off-Road      2009 Nissan Pathfinder 2009
997      Automatic Transmission      2009 Nissan Pathfinder SE 4x4      2009 Nissan Pathfinder 2009
998      Automatic Transmission      2009 Nissan Pathfinder LE 4x4 V8      2009 Nissan Pathfinder 2009
999      Automatic Transmission      2009 Nissan Pathfinder LE 4x4 V8      2009 Nissan Pathfinder 2009
994 Horsepower Engine.Information.Engine.Statistics.Torque
994      251      259
995      251      259
996      266      288
997      266      288
998      266      288
999      310      388
> min(datax$Horsepower)
[1] 108
> max(datax$Horsepower)
[1] 631
> mean(datax$Horsepower)
[1] 253.4605
> median(datax$Horsepower)
[1] 240
> summary(datax)
  Dimensions.Height Dimensions.Length Dimensions.Width Engine.Information.DriveLine Engine.Information.Engine.Type
Min.      :1.0      Min.      :7.0      Min.      :3.0      Length:999      Length:999
1st Qu.:109.0      1st Qu.: 63.0      1st Qu.: 72.0      Class :character      Class :character
Median :162.0      Median :140.0      Median :129.0      Mode  :character      Mode  :character
Mean   :146.8      Mean   :127.5      Mean   :137.2
3rd Qu.:190.0      3rd Qu.:196.0      3rd Qu.:214.0
Max.   :247.0      Max.   :255.0      Max.   :249.0
Engine.Information.Hybrid Engine.Information.Number.of.Forward.Gears Engine.Information.Transmission
Mode:logical      Min.      :4.0      Length:999
TRUE:999      1st Qu.:15.0      Class :character
      Median :6.0      Mode  :character
      Mean   :5.6
      3rd Qu.:6.0
      Max.   :8.0
Fuel.Information.City.mpg Fuel.Information.Fuel.Type Fuel.Information.Highway.mpg Identification.Classification
Min.      : 8.00      Length:999      Min.      :12.00      Length:999
1st Qu.:17.00      Class :character      1st Qu.:24.00      Class :character
Median :19.00      Mode  :character      Median :27.00      Mode  :character
Mean   :19.67
3rd Qu.:23.00
Max.   :38.00
Identification.ID Identification      Identification.Model.Year Year Horsepower
Length:999      Length:999      Length:999      Min.      :2009      Min.      :108.0
Class :character      Class :character      Class :character      1st Qu.:2010      1st Qu.:170.0
Mean :2011      Mean :240.0
3rd Qu.:2011      3rd Qu.:305.5
Max. :2012      Max. :631.0
Engine.Information.Engine.Statistics.Torque
Min.      :105.0
1st Qu.:167.0
Median :246.0
Mean   :248.6
3rd Qu.:280.0
Max.   :374.0
> ggplot(datax, aes(x=Identification, y=Horsepower)) + geom_bar(stat="identity")
> ggplot(datax, aes(x=Identification, y=Horsepower)) + geom_bar(width=1, stat="identity")+coord_polar("x",
  start=1)
> ggplot(datax, aes(x=Identification, y=Horsepower)) + geom_boxplot()
> ggplot(datax, aes(x=Identification, y=Horsepower)) + geom_point()
> ggplot(datax, aes(x=Identification, y=Horsepower, group=Year, colour=Year)) + geom_line() + geom_point()
```

```
File Edit Code View Plots Session Build Debug Profile Tools Help
R 4.1.2 - C:/Users/manjeet/
Source Console Terminal Jobs
> tail(datax)
  Dimensions.Height Dimensions.Length Dimensions.Width Engine.Information.DriveLine Engine.Information.Engine.Type
994      214      15      161      Front-wheel drive
995      214      23      161      Front-wheel drive
996      41      25      57      Rear-wheel drive
997      2      25      57      Four-wheel drive
998      52      25      57      Four-wheel drive
999      54      25      57      Four-wheel drive
994 Volkswagen 4.0l 6 Cylinder 251hp 259 ft-lbs TRUE Hybrid Engine.Information.Number.of.Forward.Gears 6
995 Volkswagen 4.0l 6 Cylinder 251hp 259 ft-lbs TRUE Hybrid Engine.Information.Number.of.Forward.Gears 6
996 Nissan 4.0L 6 Cylinder 266 hp 288 ft-lbs TRUE Hybrid Engine.Information.Number.of.Forward.Gears 5
997 Nissan 4.0L 6 Cylinder 266 hp 288 ft-lbs TRUE Hybrid Engine.Information.Number.of.Forward.Gears 5
998 Nissan 4.0L 6 Cylinder 266 hp 288 ft-lbs TRUE Hybrid Engine.Information.Number.of.Forward.Gears 5
999 Nissan 5.6L 8 Cylinder 310 hp 388 ft-lbs TRUE Hybrid Engine.Information.Number.of.Forward.Gears 18
994 Engine.Information.Transmission.Fuel.Information.City.mpg Fuel.Information.Fuel.Type Fuel.Information.Highway.mpg
994      6 Speed Automatic      17      Gasoline      25
995      6 Speed Automatic      17      Gasoline      25
996      5 Speed Automatic      15      Gasoline      22
997      5 Speed Automatic      14      Gasoline      20
998      5 Speed Automatic      14      Gasoline      20
999      5 Speed Automatic      13      Gasoline      18
994 Identification.Classification      2010 Volkswagen Routan SEL Identification.Model.Year Year
994      Automatic Transmission      2010 Volkswagen Routan SEL      2010 Volkswagen Routan 2010
995      Automatic Transmission      2009 Nissan Pathfinder LE      2009 Nissan Pathfinder 2009
996      Automatic Transmission      2009 Nissan Pathfinder SE Off-Road      2009 Nissan Pathfinder 2009
997      Automatic Transmission      2009 Nissan Pathfinder SE 4x4      2009 Nissan Pathfinder 2009
998      Automatic Transmission      2009 Nissan Pathfinder LE 4x4 V8      2009 Nissan Pathfinder 2009
999      Automatic Transmission      2009 Nissan Pathfinder LE 4x4 V8      2009 Nissan Pathfinder 2009
994 Horsepower Engine.Information.Engine.Statistics.Torque
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[1] 240
> summary(datax)
  Dimensions.Height Dimensions.Length Dimensions.Width Engine.Information.DriveLine Engine.Information.Engine.Type
Min.      :1.0      Min.      :7.0      Min.      :3.0      Length:999      Length:999
1st Qu.:109.0      1st Qu.: 63.0      1st Qu.: 72.0      Class :character      Class :character
Median :162.0      Median :140.0      Median :129.0      Mode  :character      Mode  :character
Mean   :146.8      Mean   :127.5      Mean   :137.2
3rd Qu.:190.0      3rd Qu.:196.0      3rd Qu.:214.0
Max.   :247.0      Max.   :255.0      Max.   :249.0
Engine.Information.Hybrid Engine.Information.Number.of.Forward.Gears Engine.Information.Transmission
Mode:logical      Min.      :4.0      Length:999
TRUE:999      1st Qu.:15.0      Class :character
      Median :6.0      Mode  :character
      Mean   :5.6
      3rd Qu.:6.0
      Max.   :8.0
Fuel.Information.City.mpg Fuel.Information.Fuel.Type Fuel.Information.Highway.mpg Identification.Classification
Min.      : 8.00      Length:999      Min.      :12.00      Length:999
1st Qu.:17.00      Class :character      1st Qu.:24.00      Class :character
Median :19.00      Mode  :character      Median :27.00      Mode  :character
Mean   :19.67
3rd Qu.:23.00
Max.   :38.00
Identification.ID Identification      Identification.Model.Year Year Horsepower
Length:999      Length:999      Length:999      Min.      :2009      Min.      :108.0
Class :character      Class :character      Class :character      1st Qu.:2010      1st Qu.:170.0
Mean :2011      Mean :240.0
3rd Qu.:2011      3rd Qu.:305.5
Max. :2012      Max. :631.0
Engine.Information.Engine.Statistics.Torque
Min.      :105.0
1st Qu.:167.0
Median :246.0
Mean   :248.6
3rd Qu.:280.0
Max.   :374.0
> ggplot(datax, aes(x=Identification, y=Horsepower)) + geom_bar(stat="identity")
> ggplot(datax, aes(x=Identification, y=Horsepower)) + geom_bar(width=1, stat="identity")+coord_polar("x",
  start=1)
> ggplot(datax, aes(x=Identification, y=Horsepower)) + geom_boxplot()
> ggplot(datax, aes(x=Identification, y=Horsepower)) + geom_point()
> ggplot(datax, aes(x=Identification, y=Horsepower, group=Year, colour=Year)) + geom_line() + geom_point()
```

## Answer-4

Question → 4 Descriptive and inferential statistical of above dataset

(12. Bar graphs →

```
ggplot(datax, aes(x = Identification, y = Horsepower)) + geom_bar(
  stat = "identity")
```

(13. Boxplot chart →

```
ggplot(datax, aes(x = Identification, y = Horsepower)) + geom_
boxplot()
```

(14. Line graph →

```
ggplot(datax, aes(x = Identification, y = Horsepower, group =
  year, colour = year)) + geom_line() + geom_point()
```

(15. Pie chart →

```
ggplot(datax, aes(y = "", fill = Identification, x = Horsepower))
+ geom_bar(width = 1, stat = "identity") + coord_polar("x", start = 1)
```

(16. Scatter-plotting chart →

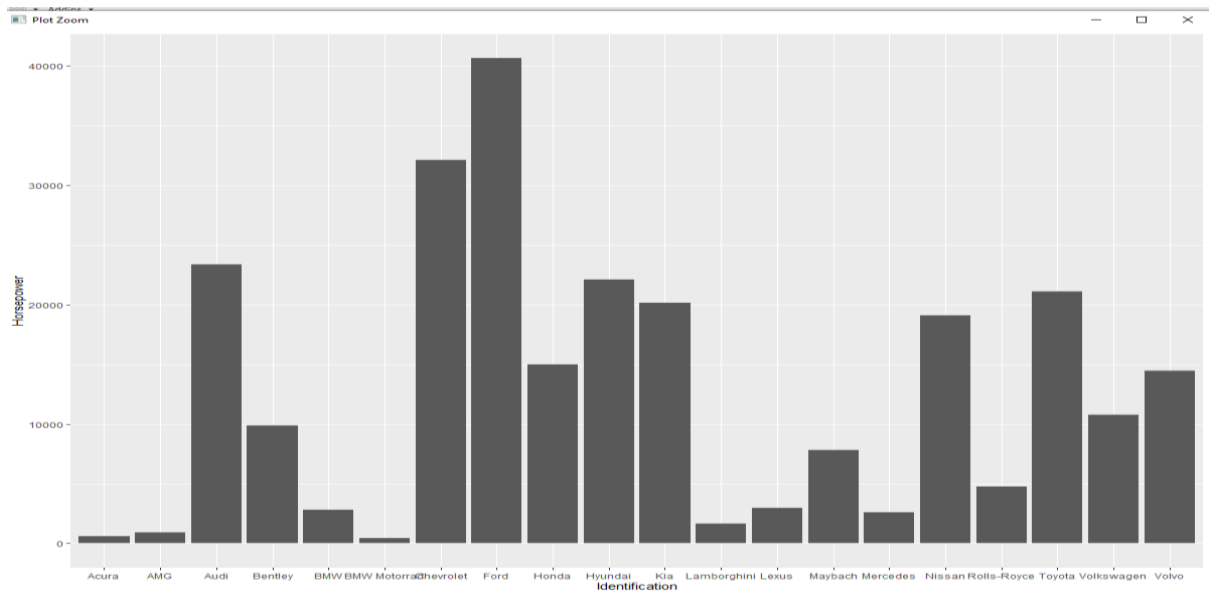
```
ggplot(datax, aes(x = Identification, y = Horsepower)) + geom_point()
```

Ansing

- **Bar Graphs —**

## Syntax—

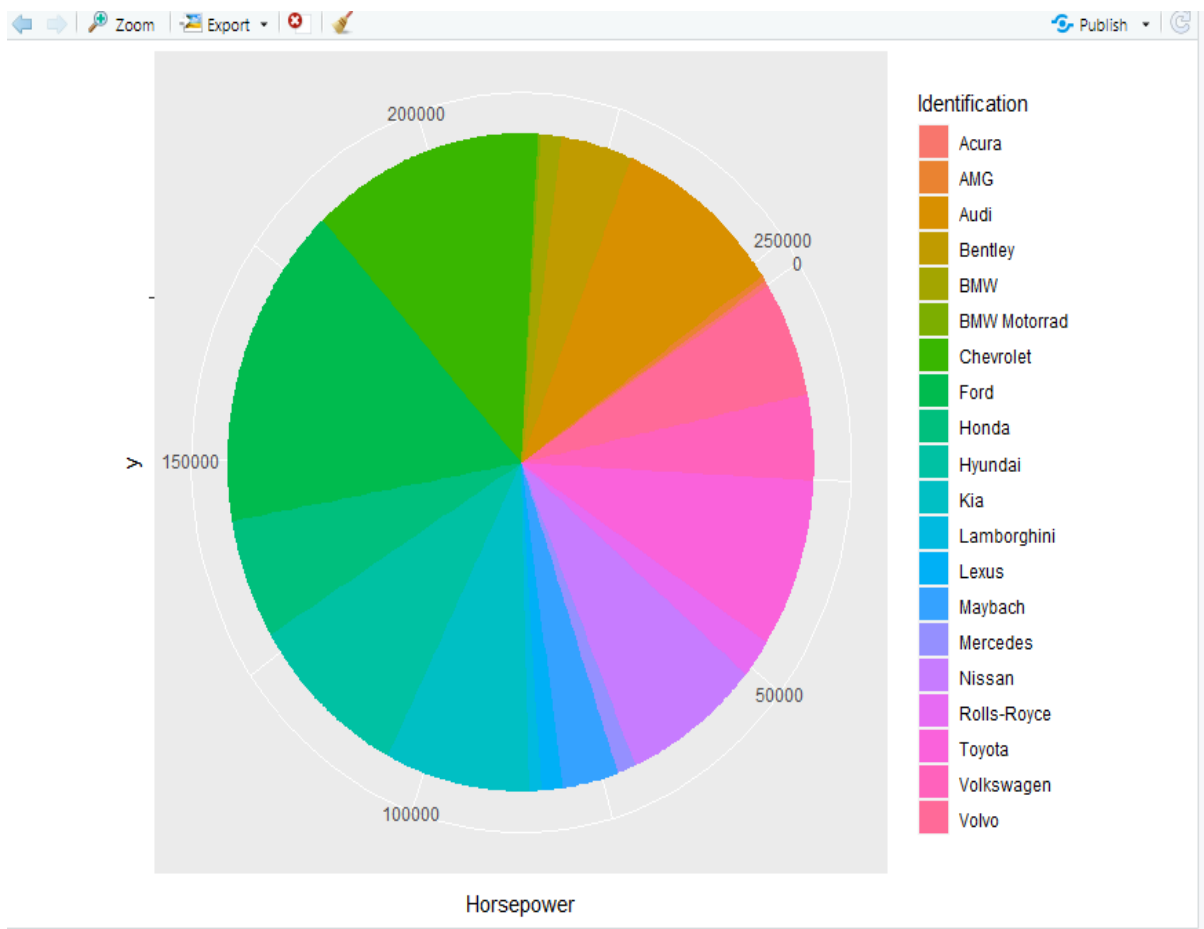
```
ggplot(datax , aes(x=Identification , y= Horsepower )) +  
geom_bar(stat = "identity")
```





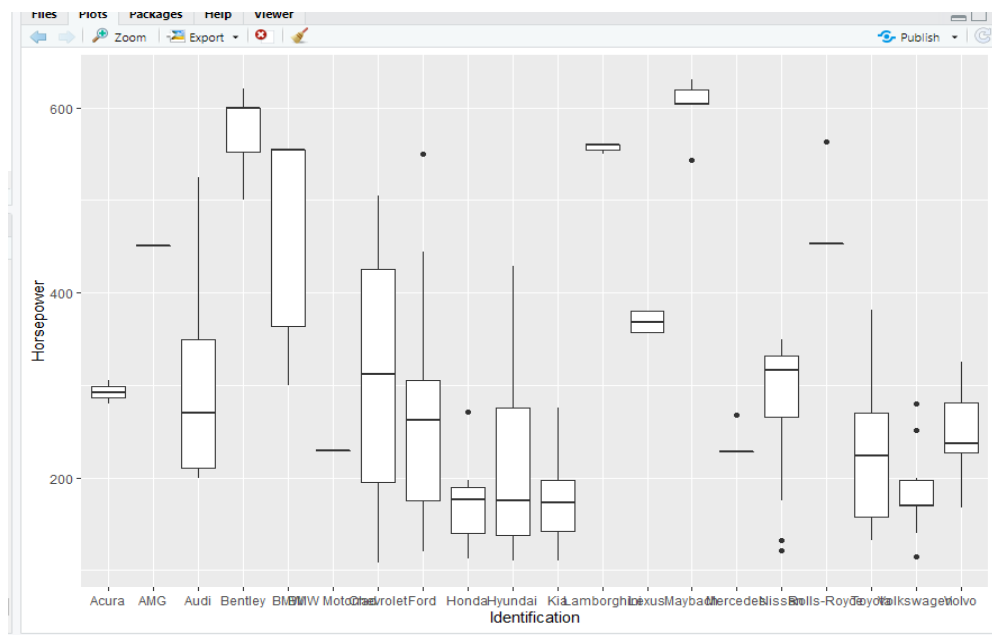
- **Pie Chart—**

**Syntax:** `ggplot(datax , aes(y="" , fill =Identification, x = Horsepower))+geom_bar(width = 1 , stat = "identity")+coord_polar("x" , start=1)`



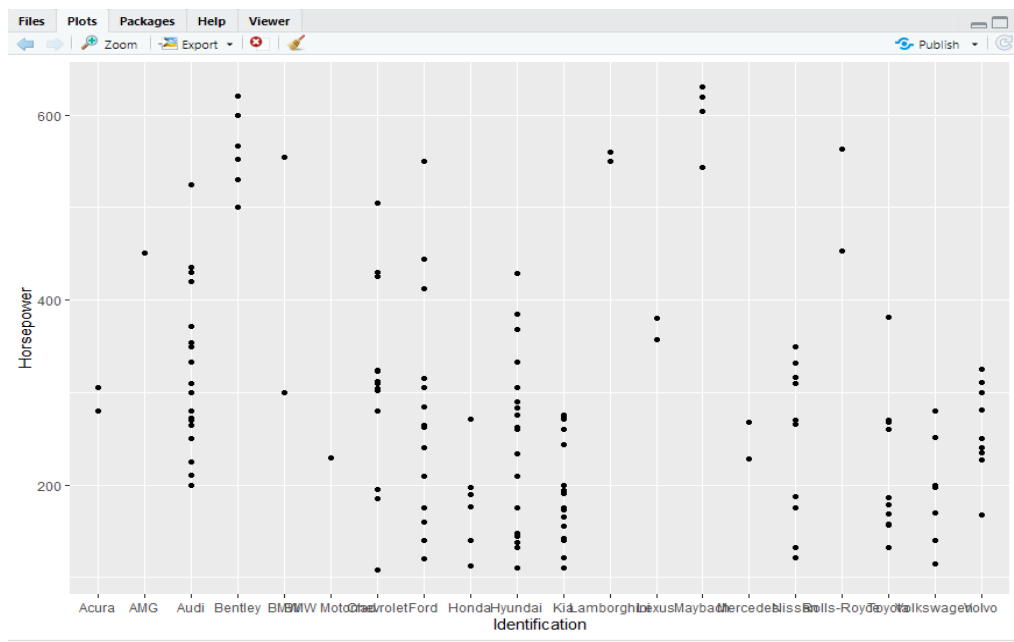
- **BoxPlot Chart**—

**Syntax:** `ggplot(datax , aes(x = Identification, y = Horsepower )) + geom_boxplot()`



- **Scatter-Plotting Chart—**

**Syntax:** `ggplot(datax , aes(x = Identification, y = Horsepower )) + geom_point()`



- **Line Graph—**
- **Syntax:** `ggplot(data, aes(x = Identification, y = Horsepower, group = Year, colour = Year)) + geom_line() + geom_point()`

