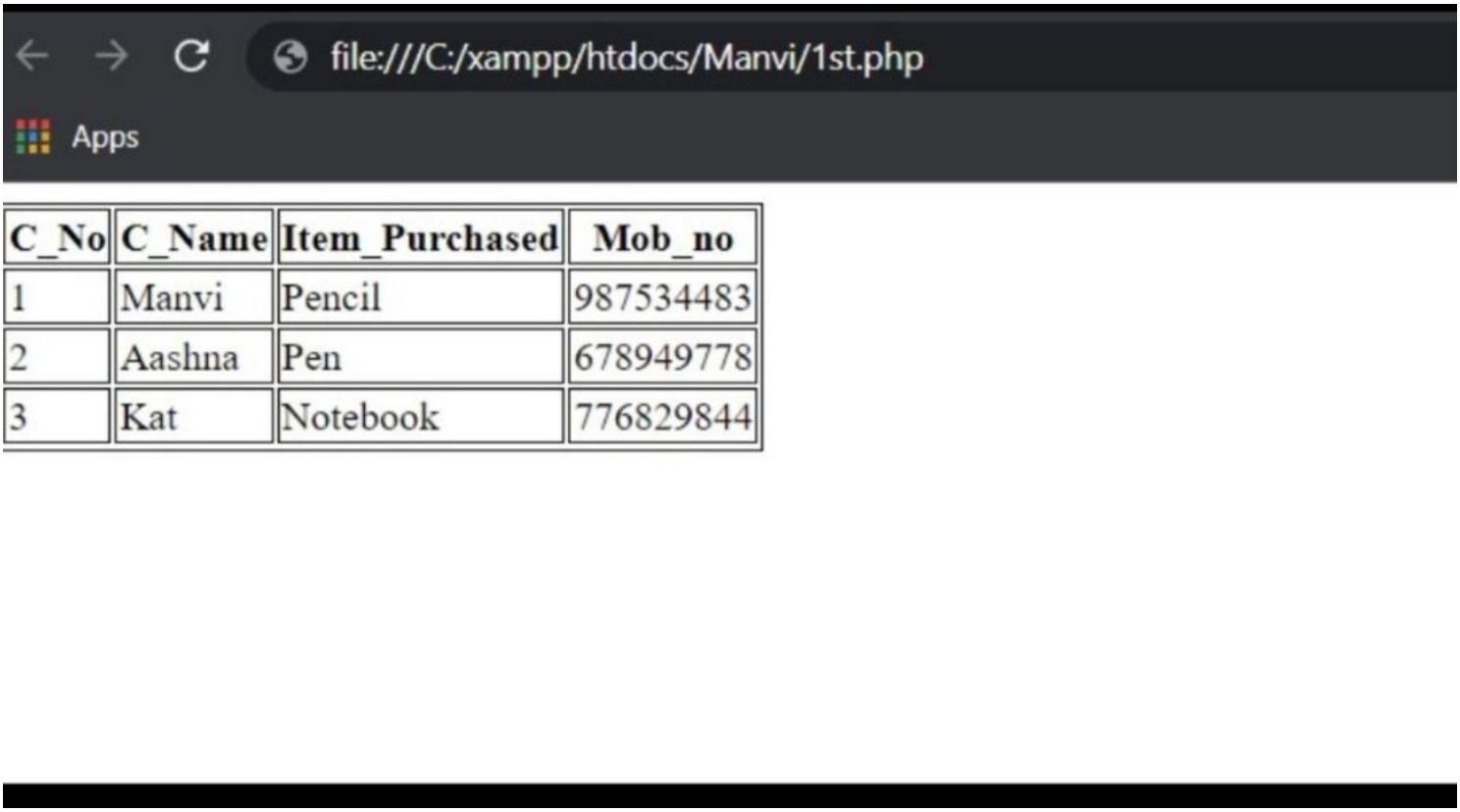
Name – Manvi Bisht Student id – 21712125
Roll no. – 2101116 Section – 'A'
Course – MCA 1st Sem

Ans 1.

```
<html>
<head>
<title> Display data in table 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 ("coust", $con);
if (!$sldb)
{
    die ("not found".mysql_error());
}
echo "Database selected". "<br/>";
$query = "select * from customer";
$sql = mysql_query ($query);
echo "< table border = '1' >
<tr>
  <th> C_No </th>
  <th> C_Name </th>
  <th> Item_Purchased </th>
  <th> Mob-no </th>
</tr>";
```



C_No	C_Name	Item_Purchased	Mob_no
1	Manvi	Pencil	987534483
2	Aashna	Pen	678949778
3	Kat	Notebook	776829844

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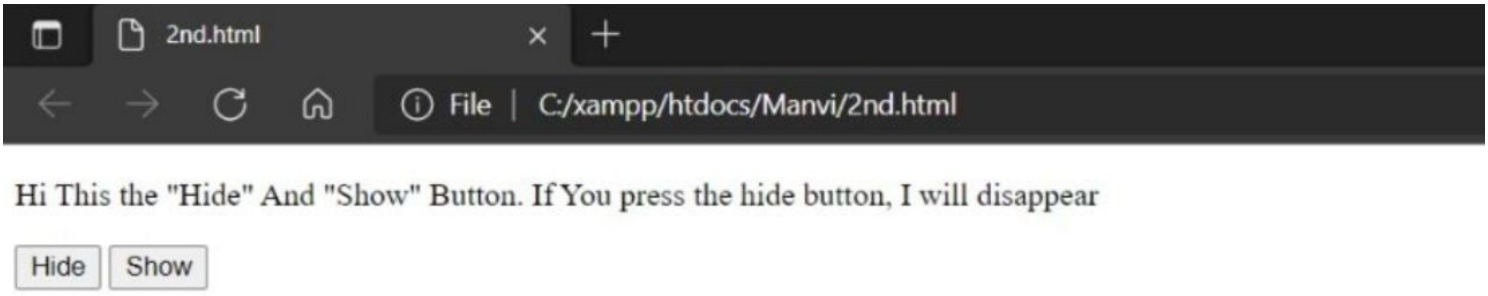
Ans 2.

```
<!DOCTYPE html>
<html>
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js">
</script>

<script>
$(document).ready(function(){
$("#hide").click(function(){
  $("p").hide();
});
$("#show").click(function(){
  $("p").show();
});
});
</script>
</head>
<body>
<p> Hi This is "Hide" And "Show" Button. If you press the hide button, I will disappear.</p>
<button id="hide">Hide</button>
<Button id="show">Show</button>
</body>
</html>
```

ManBisht


2nd.html
File | C:/xampp/htdocs/Manvi/2nd.html
Hi This the "Hide" And "Show" Button. If You press the hide button, I will disappear
Hide
Show

Name – Manvi Bisht Student id – 21712125
Roll no. – 2101116 Section – 'A'
Course – MCA 2nd Sem

Ans 3. Plotting the graphs from population.csv.

- Setting of Working Directory
- setwd ("D:/Manvi")
- Reading of .csv file
- mydata <-
  read.csv ("Population.csv")
- Installing ggplot package
  install.packages ("ggplot2")
- Using ggplot() library
  library (ggplot2)

→ Histogram

```
ggplot (mydata, aes (y= Population,
        x= Country)) + geom_bar
        (stat = "identity")
```

→ Pie Chart

```
ggplot (mydata, aes (y=" ", fill= Country,
  x= Population)) + geom_bar (width = 1,
  stat = "identity") +
  coord_polar ("x", start = 0°)
```

Manvi Bisht

```
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>
```

Name – Manvi Bisht Student id – 21712125
Roll no. – 2101116 Section – 'A'
Course – MCA 1st Sem

Ans 3. Plotting the graphs from population.csv.

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```

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```
ggplot (mydata, aes (y=" ", fill= Country,
 x= Population)) + geom_bar (width = 1,
 stat = "identity") +
coord_polar ("x", start = 0)
```

Manvi Bisht

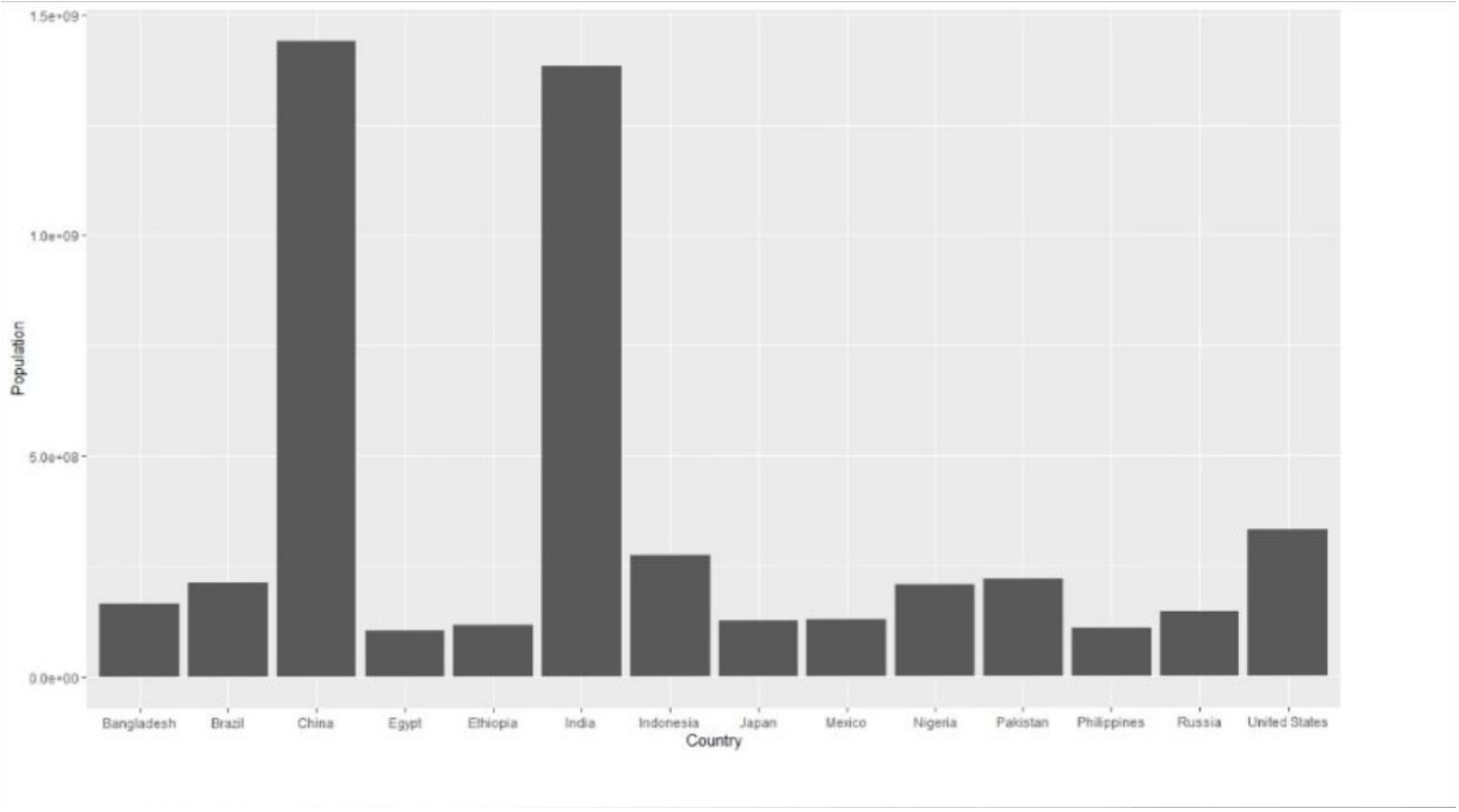
→ Boxplot : ggplot (mydata, aes (x = LandArea, y = (country)) + geom_boxplot ()

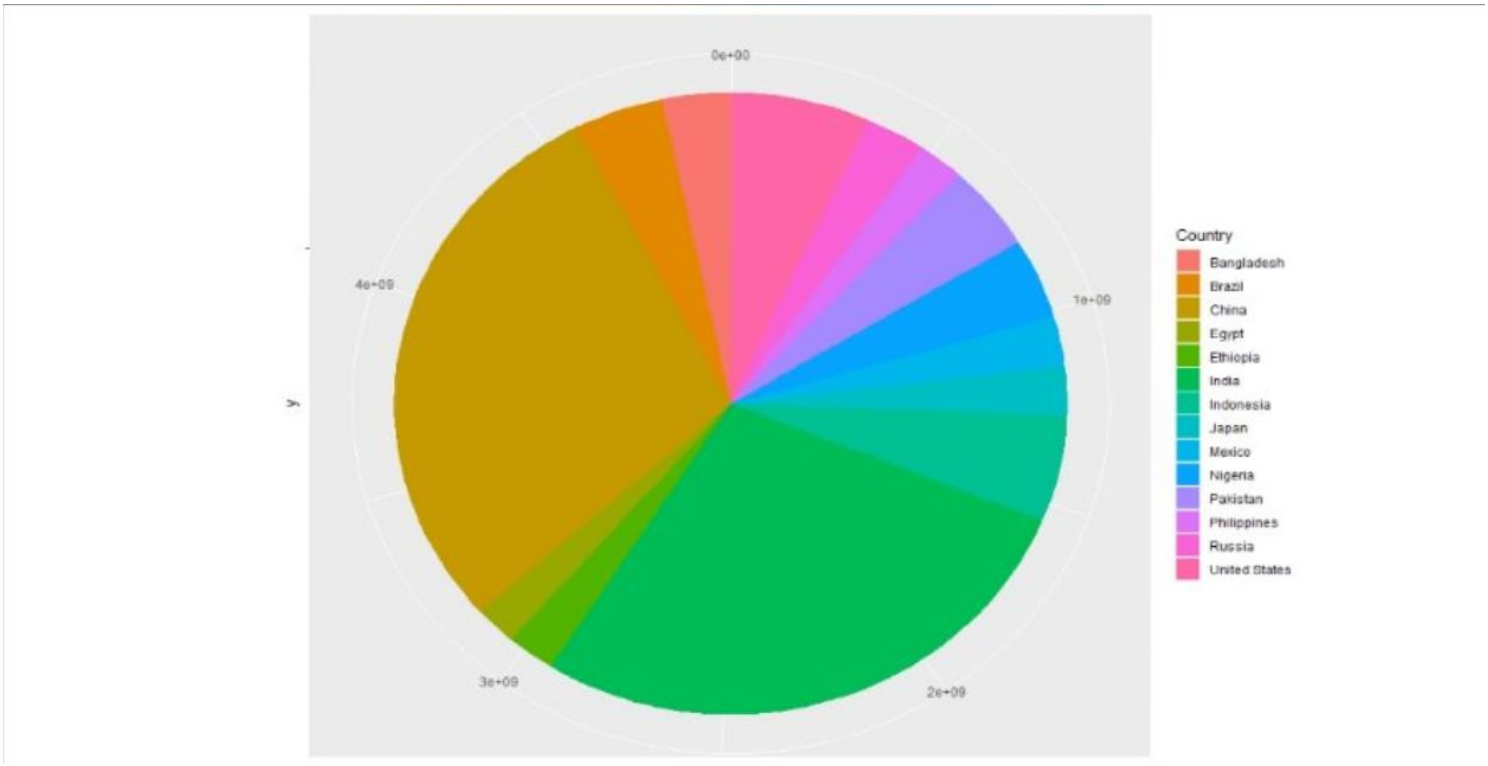
→ Scatter plotting : ggplot (mydata, aes (x = UrbanPopulation, y = (country)) + geom_point ()

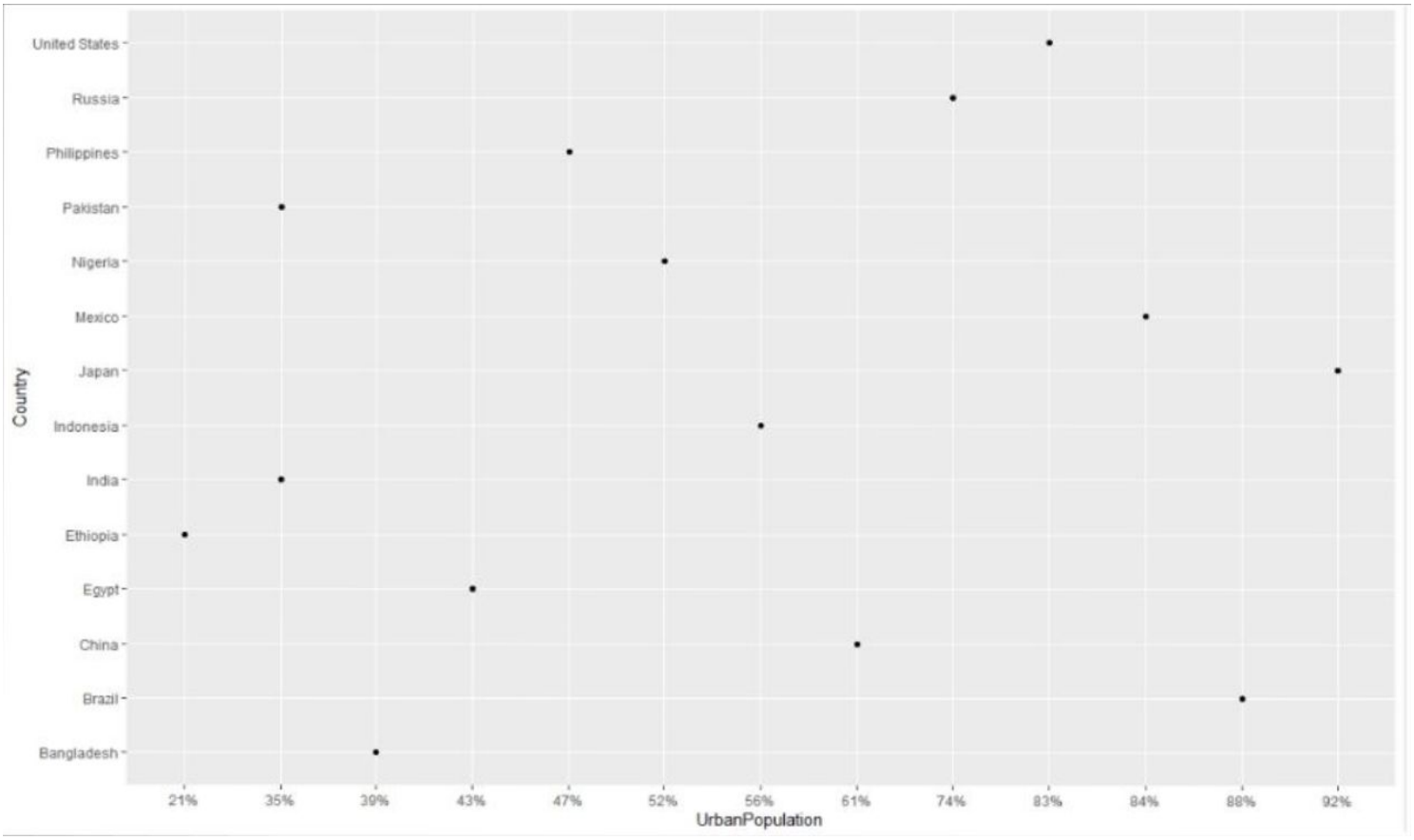
→ Line graph : ggplot (mydata, aes (y = fert. Rate, x = Med. Age, group = country, colour = (country)) + geom_line () + geom_point ()

- Minimum min (my data $ Population)
- Maximum max (my data $ Population)
- Mean mean (my data $ Population)
- Media median (my data $ Population)
- Quantile quantile (my data $ Population, 0.25)
  quantile (my data $ Population, 0.75)
- Standard Deviation and Variance
  sd (my data $ Population) var (my data $ Population)
- Summary Summary (my data)

Manjbitel


1.5e+09
1.0e+09
5.0e+08
0.0e+00
Population
Bangladesh
Brazil
China
Egypt
Ethiopia
India
Indonesia
Japan
Mexico
Nigeria
Pakistan
Philippines
Russia
United States
Country


0e+00
1e+09
2e+09
3e+09
4e+09
y
Country
Bangladesh
Brazil
China
Egypt
Ethiopia
India
Indonesia
Japan
Mexico
Nigeria
Pakistan
Philippines
Russia
United States


United States
Russia
Philippines
Pakistan
Nigeria
Mexico
Japan
Indonesia
India
Ethiopia
Egypt
China
Brazil
Bangladesh
Country
21%
35%
39%
43%
47%
52%
56%
61%
74%
83%
84%
88%
92%
UrbanPopulation

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Ans 4 Descriptive Statistics –

Summary : Gives us the descriptive sets like
In case of numerical data :-
Gives Mean, Median, Mode, Range

Measures of central tendancy

⇒ mean (distance $ fare)
32.20422
{ an average population spent $32 to board the titanic.

⇒ mode (titanic $ age)
24
{ most common age on titanic

⇒ median (train $ fare)
14542

Measure of spread

range (titanic $ fare)
0.600 512.3292
{ It shows lowest & highest value of fare

Manvi Bisht

→ var(titanic $fare)

2469.437

→ Sqrt(var(titanic $fare)

49.6934

Inferential Statistics :-

Hypothesis testing:

new.data (- subset(titanic, $pclass == -1)

⇒ test2 = function (a, b, c) {

samplemean = mean(a)

pop_mean = mean(b)

c = nrow = (n)

var b = var(b)

data = (sample_mean, pop_mean)/Sqrt(var_b/c)).

return data

call function:

z.test2 (newdata $survived, titanic $survived,

newdata)

7.423828