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Q.1) Write a program to read customer information like c-no, c-name, item-purchased and web-no from customer table and display all this information in table format on output screen.

Sol:- Code:-

```
<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("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>
```

```
<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>
```

Connection open

Database Selected

C_No	C_Name	Item_Purchased	Mob_no
1	Anil	Book	2147483647
2	Yogesh	Marker	2147483647

Output:-

Connection open

Database selected

C-No	C-Name	Item-purchased	Mob-no
1	Anil	Book	2147483647
2	Yogesh	Marker	2147483647

Q.2 Write a program to hide and show the paragraph content on the button click using jquery.

Ans:- Code:-

```
<!DOCTYPE html>
<html>
<head>
<script src = "https://ajax.
googleapis.com/ajax/libs/jquery/3.4.0/
jquery.min.js">
</script>
<script>
$(document).ready(function() {
  $("#hide").click(function() {
    $("#p").hide();
  });
  $("#show").click(function() {
    $("#p").show();
  });
});
});
```

Program to show and hide using jQuery

Hi this is javascript and today is a good day

</script>

</head>

<body>

<h2> program to show and hide using

jQuery </h2>

<p> Hi this is javascript and today is a
good day </p>

<button id = "hide"> hide </button>

<button id = "show"> show </button>

</body>

</html>

Q.5 analyze any csv dataset using R.

Ans: - setwd ("C:/Users/HP/Document/Data Sets")

library(dplyr)

coviddata <- read.csv("covid.csv")

coviddata

names(coviddata)

dim(coviddata)

str(coviddata)

summary(coviddata)

coviddata \$ total.cases

coviddata \$ state.UTs

sum(coviddata \$ Total.cases)

coviddata \$ Active

coviddata \$ Total.cases

top-states <- head(coviddata, 10)

top-states

top-states \$ Total.cases

top-states \$ Deaths

top-states \$ Discharged

top-states \$ states

Q.4> Discuss Descriptive and Inferential Statistics of above dataset.

Ans: - Descriptive Statistics:- In this

dataset we have taken a sample .csv of covid cases for our analyzation. We will use plot and various graphs for our dataset.

```
barplot (top-states $ Total - Cases, names.arg  
= top-states, col = "green")
```

```
barplot (top-states $ Deaths, names.arg  
= top-states, col = "red")
```

```
barplot (top-states $ Discharged, names.arg  
= top-states $ States, col = "yellow")
```

```
pie (top-states $ Deaths, top-states $ States,  
main = "Deaths on States due to covid")
```

```
hist (top-states $ Deaths)
```

```
plot (top-states $ Deaths, top-states $ Discharged,  
col = "blue")
```

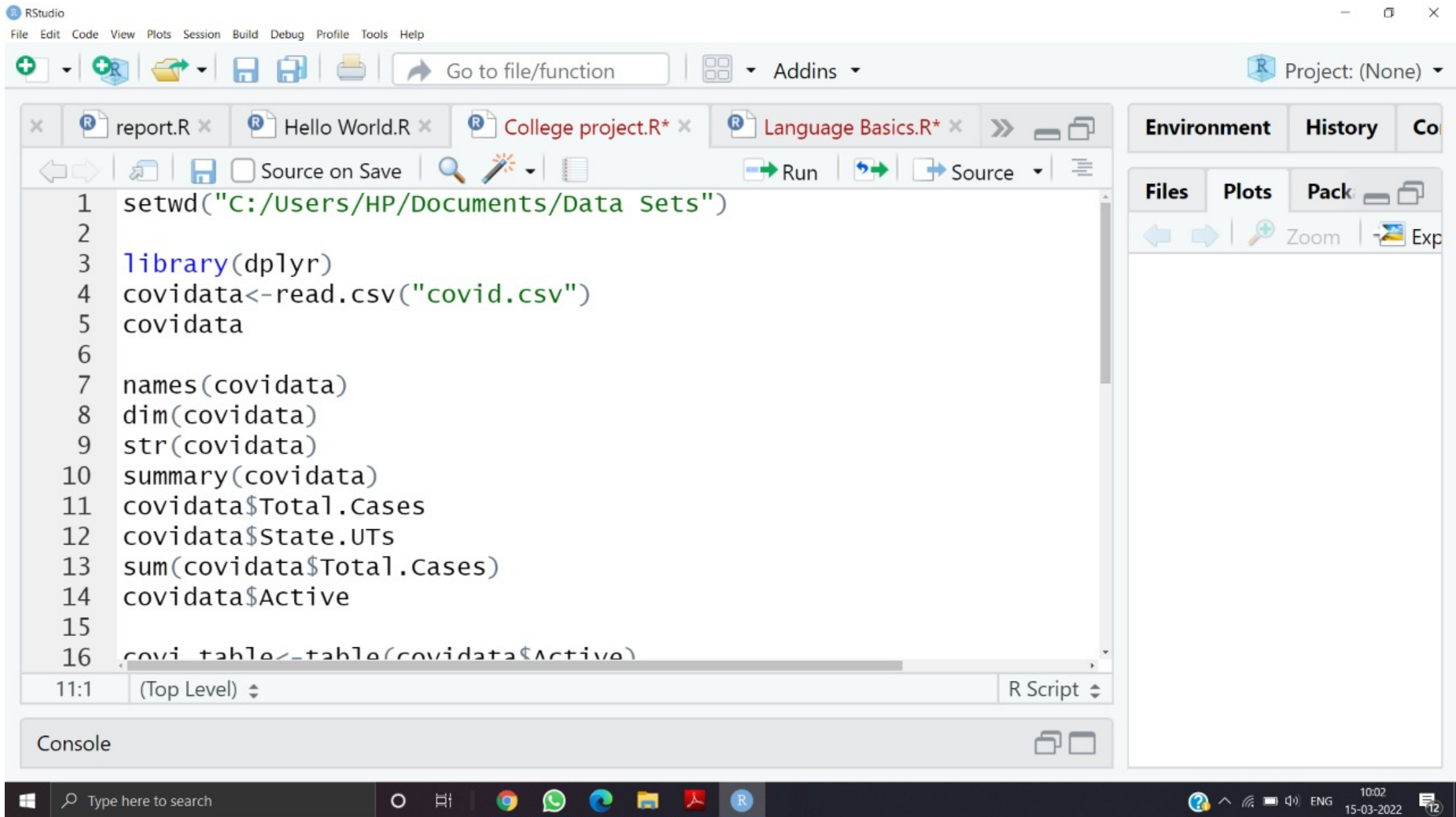

Inferential Statistics:- In Inferential Statistics we take the summary of the given dataset of the CSV file.

Total. cases

min (coviddata \$ Total. Cases)

max (coviddata \$ Total. cases)

- The maximum number of cases are 6643179.
- The maximum deaths are 141243.



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```
15
16 covi_table<-table(covidata$Active)
17 covi_table
18 sum(covidata$Active)
19 covidata$Total.Cases
20
21 top_states<-head(covidata,10)
22 top_states
23 top_states$Total.Cases
24 top_states$Deaths
25
26 top_states$Discharged
27 top_states$States
28 barplot(top_states$Total.Cases,names.arg = top_states$States,col
29 barplot(top_states$Deaths,names.arg = top_states$States,col = "r
30 barplot(top_states$Discharged,names.arg = top_states$States,col
31
```

11:1 (Top Level) R Script

Console

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```
23 top_states$total.cases
24 top_states$Deaths
25
26 top_states$Discharged
27 top_states$States
28 barplot(top_states$Total.Cases,names.arg = top_states$States,col
29 barplot(top_states$Deaths,names.arg = top_states$States,col = "r
30 barplot(top_states$Discharged,names.arg = top_states$States,col :
31 pie(top_states$Deaths,top_states$States ,main ="Deaths on States
32
33 hist(top_states$Deaths)
34 plot(top_states$Deaths,top_states$Discharged,col="blue")
35 Total.Cases
36 min(covidata$Total.Cases)
37 max(covidata$Total.Cases)
38
```

11:1 (Top Level) R Script

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**Pack:**

```
> str(covidata)
'data.frame': 29 obs. of 9 variables:
 $ States      : chr  "AP" "AR" "AS" "BR" ...
 $ Total.Cases : int  2074708 55305 618441 726296 1007187 1441662 1
79419 828077 771989 227904 ...
 $ Active      : int  1954 28 2457 63 374 385 436 524 250 639 ...
 $ Discharged  : int  2058289 54997 609854 714143 9932193 1416177 1
75501 817455 761684 223405 ...
 $ Deaths      : int  14465 280 6130 12090 13594 25100 3482 10098 1
0055 3860 ...
 $ Active.Ratio : num  0.09 0.05 0.4 0.01 0.04 0.03 0.24 0.06 0.03
0.28 ...
 $ Discharge.Ratio: num  99.2 99.4 98.6 98.3 98.6 ...
 $ Death.Ratio   : num  0.7 0.51 0.99 1.66 1.35 1.74 1.94 1.22 1.3 1.
69 ...
 $ Population    : int  91702478 1711947 35998752 128500364 32199722
19301096 1521992 70400153 28900667 7503010 ...
```

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```
> summary(covidata)
```

States	Total.Cases	Active
Length:29	Min. : 32151	Min. : 28
Class :character	1st Qu.: 179419	1st Qu.: 210
Mode :character	Median : 726296	Median : 389
	Mean : 1164378	Mean : 3075
	3rd Qu.: 1441662	3rd Qu.: 1954
	Max. : 6643179	Max. : 39240

Discharged	Deaths	Active.Ratio
Min. : 31351	Min. : 280	Min. : 0.0100
1st Qu.: 175501	1st Qu.: 3482	1st Qu.: 0.0400
Median : 714143	Median : 8956	Median : 0.1500
Mean : 1453447	Mean : 16141	Mean : 0.2686
3rd Qu.: 1595452	3rd Qu.: 16618	3rd Qu.: 0.2800
Max. : 9932193	Max. : 141243	Max. : 2.2400

Discharge.Ratio	Death.Ratio	Population
Min. : 97.18	Min. : 0.370	Min. : 658019

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> covidata

	States	Total.Cases	Active	Discharged	Deaths	Active.Ratio
1	AP	2074708	1954	2058289	14465	0.09
2	AR	55305	28	54997	280	0.05
3	AS	618441	2457	609854	6130	0.40
4	BR	726296	63	714143	12090	0.01
5	CG	1007187	374	9932193	13594	0.04
6	DL	1441662	385	1416177	25100	0.03
7	GA	179419	436	175501	3482	0.24
8	GJ	828077	524	817455	10098	0.06
9	HR	771989	250	761684	10055	0.03
10	HP	227904	639	223405	3860	0.28
11	JK	338745	1595	332659	4491	0.47
12	JH	349420	130	344149	5141	0.04
13	KA	3000105	7335	2954513	38257	0.24
14	KL	5190828	39240	5108764	42824	0.76
15	MP	793337	155	782653	10529	0.02

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