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Course: MCA B

Q1 Write a program to read customer information like c-no, c-name, item_purchase and mobile number from customer table & display all this information in table on output screen

Ans
```
<HTML>
<head>
<title> customer data </title>
</head>
<body>
  <? PHP
     $conn = mysqli_connect("localhost", "root", "");
  if(!$conn)
   {
     die("not connected");
   }
   $db = mysqli_select_db("customer", $conn);

  $query = Select * from customer";
  $result = mysqli_query($conn, $query)

  ?>
```

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```
<table border = '1'>
<tr>
 <th> C-no </th>
 <th> C-name </th>
 <th> item- Purchase </th>
 <th> mob-no </th>
</tr>
 <? PhP
    while ( $row = mysqli_fetch_array ( $sql ))
 {
   echo " <tr> ";
   echo " <td> ". $row ['C-no']. " </td> ";
   echo " <td> ". $row ['C-name']. " </td> ";
  echo " <td> ". $row ['item-Purchase']. " </td> ";
  echo " <td> ". $row ['mob-no']. " </td> ";
  echo " </tr> "
}
?>
</table>
</body>
</html>
```

C_No	C_Name	Item_Purchased	Mob_no
1	siddhant	laptop	8958186196
2	vivek	car	7829625874

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Q2 WAP to hide and show the Paragraph content on a button click using JQuery

Ans

```
<html>
<head>
 <script src="http://ajax.... JQuery.min.js"
  </script>

<script>
  $(document).ready(function(){
   $("#hide").click(function(){
    $("p").hide();
});

$(#show).click(function(){
     $("p").show();
});
});

</script>
<body>
      <p> click on hide to hide me &
          click on show to show me </p>

 <button id="hide"> Hide </button>
 <button id="show"> Show </button>

<body>
</html>
```

click on the Hide to hide me and click on show to show me.

Hide Show

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Q3 Analyze any csv using R (covid data)

```
rm(list=ls())
library(Hmisc) # import
data ← read.csv("C:/users/covid-19.csv")
describe(data) # Hmisc command
# cleaning the death coulmn as some entries are 0 or 1 & some are dates
data$deathrate ← as.integer(data$death!=0)
# death rate
sum(data$death-clean)/nrow(data)
```

Q4 Disscuss Descriptive & inferential statistics

Histograms

```
hist(dead$age, xlab="Age", col="yellow", border="blue")
hist(alive$age, xlab="Age", col="orange", border="blue").
```

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Hypothesis testing

#claim : older people are more likely die to younger people from covid

dead = subset(data, death_clean == 0)

mean(dead$age, na.rm = true)
mean(alive$age, na.rm = true)

cheacking weather ↑ dead & alive in statistically significant mean of

t.test(alive$age, dead$age, alternative = "two.sided", conf.level = 0.95)

Normally, if P-val < 0.05 we reject the # null hypothesis
Here P-value ≈ 0 so we reject Ho
& conclude that people who have # died from covid are indeed older than # who didn't die

2. # Claim : Gender have no effect

men = subset(data, gender == "male")
women = subset(data, gender == "female")
mean(men$death-clean, na.rm = true)
mean(women$death-clean, na.rm = true)
t.test(men$death-clean, women$death-dummy, alternative = "two.sided", conf.level = 0.95)

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P-value = 0.002 < 0.05 so we reject
Ho & conclude that
At 99% confidence level : men have
from 0.8% to 8.8% higher chance of
dying.

Source

Console | Terminal | Jobs

R 4.1.2 · C:/Users/singh/OneDrive/Desktop/covid_r/

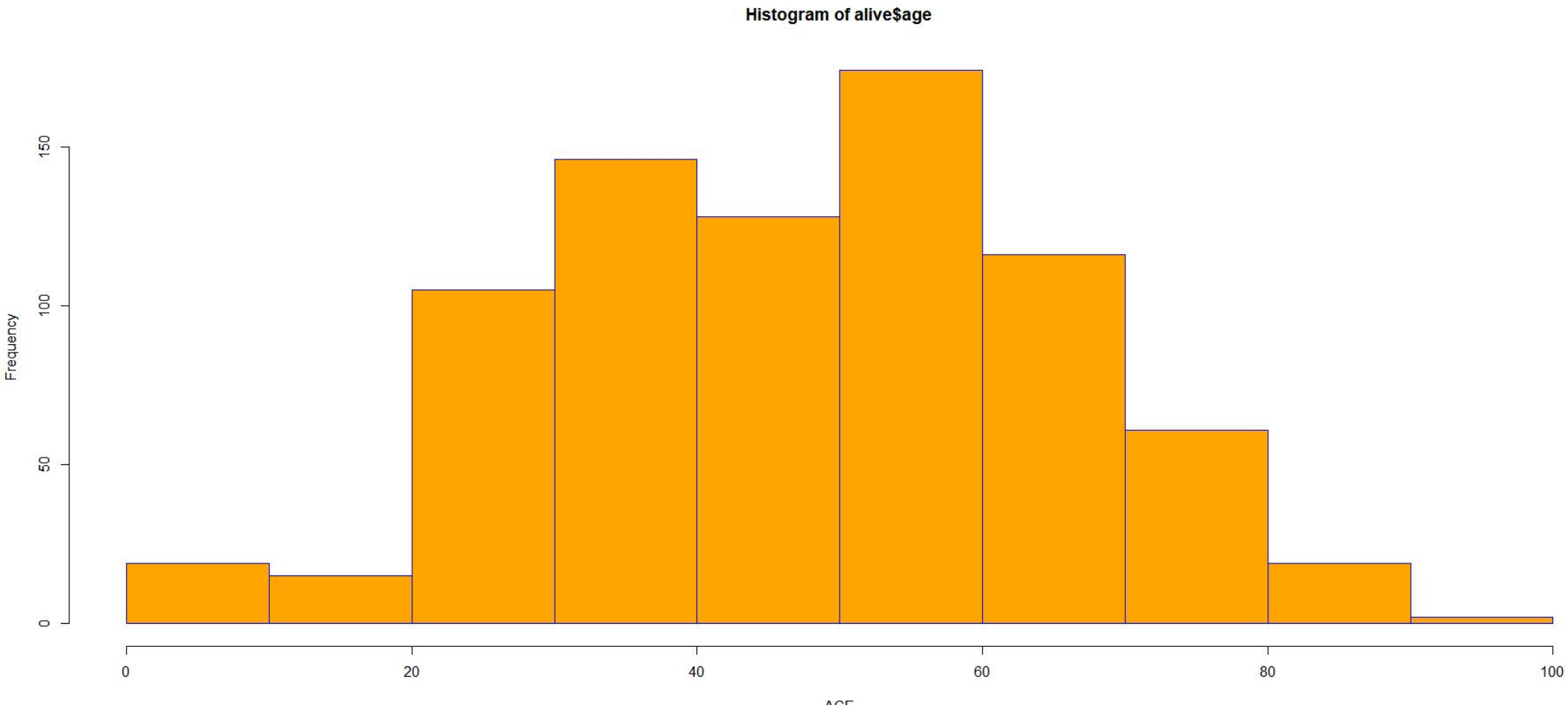
```
sample estimates:
mean of x mean of y
 48.07229  68.58621

> hist(dead$age,xlab = "AGE",col = "yellow",border = "blue")
> hist(alive$age,xlab = "AGE",col = "orange",border = "blue")
> men = subset(data, gender == "male")
> women = subset(data, gender == "female")
> mean(men$death_clean, na.rm=TRUE)
[1] 0.08461538
> mean(women$death_clean, na.rm=TRUE)
[1] 0.03664921
> t.test(men$death_clean, women$death_dummy, alternative="two.sided", conf.level = 0.95)

        One Sample t-test

data:  men$death_clean
t = 6.9264, df = 519, p-value = 1.282e-11
alternative hypothesis: true mean is not equal to 0
95 percent confidence interval:
 0.06061574 0.10861503
sample estimates:
 mean of x
0.08461538

>
> # p-value=0.002 < 0.05,so we reject the null hypothesis and conclude that
> # p-value=0.002 < 0.05,so we reject the null hypothesis and conclude that
> # At 99% confidence level: men have from 0.8% to 8.8% highter chance
> # p-value=0.002 < 0.05,so we reject the null hypothesis and conclude that
> # At 99% confidence level: men have from 0.8% to 8.8% highter chance
> #of dying.
>
```

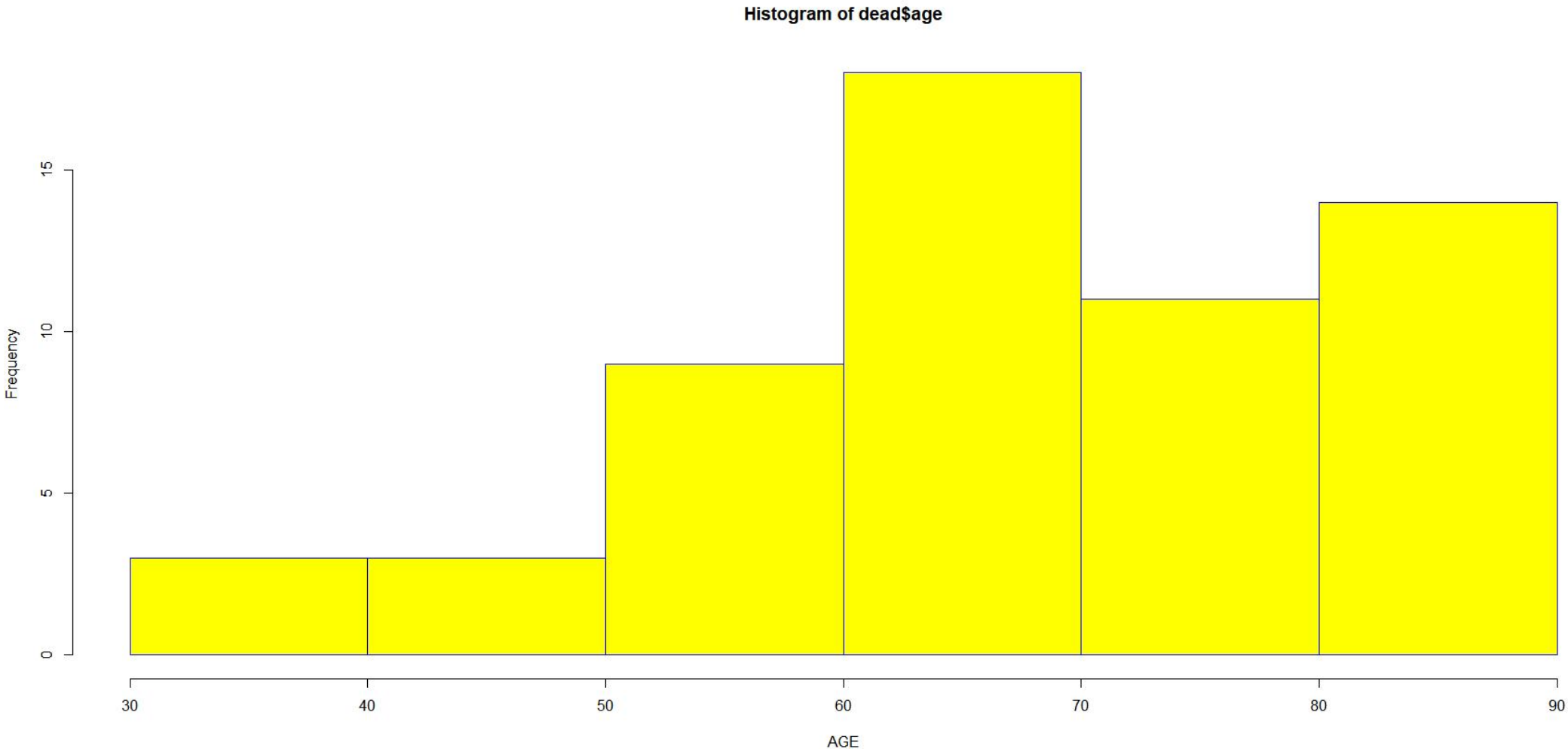
```
Console   Terminal ×   Jobs ×
R 4.1.2 · C:/Users/singh/OneDrive/Desktop/covid_r/
   X.4             X.5             X.6
 Mode:logical   Mode:logical   Mode:logical
 NA's:1085      NA's:1085      NA's:1085




> #cleaning the death column as some entries are 0 and 1 and some are dates
> data$death_clean <-as.integer(data$death !=0)
> #death rate
> sum(data$death_clean)/ nrow(data)
[1] 0.05806452
> # AGE
> # Claim: older people are more likely to die than younger people from COVID-19
> dead=subset(data, death_clean==1)
> alive=subset(data, death_clean==0)
> mean(dead$age,na.rm=TRUE)
[1] 68.58621
> mean(alive$age,na.rm=TRUE)
[1] 48.07229
> #checking weather the means of dead and alive is statistically significant
> t.test(alive$age,dead$age,alternative = "two.sided",conf.level =0.95)

        Welch Two Sample t-test

data:  alive$age and dead$age
t = -10.839, df = 72.234, p-value < 2.2e-16
alternative hypothesis: true difference in means is not equal to 0
95 percent confidence interval:
 -24.28669 -16.74114
sample estimates:
mean of x mean of y
```

Console | Terminal | Jobs

R 4.1.2 · C:/Users/singh/OneDrive/Desktop/covid_r/

```
> rm(list=ls()) # removes all variables stored previously
> data <- read.csv("C:/Users/singh/OneDrive/Desktop/covid_r/COVID19_line_list_data.csv")
> summary(data)
     ï..id      case_in_country   reporting.date        X             summary           location
 Min.   :   1   Min.   :   1.00   Length:1085        Mode:logical   Length:1085        Length:1085
 1st Qu.: 272   1st Qu.:  11.00   Class :character   NA's:1085      Class :character   Class :character
 Median : 543   Median :  28.00   Mode  :character                 Mode  :character   Mode  :character
 Mean   : 543   Mean   :  48.84
 3rd Qu.: 814   3rd Qu.:  67.25
 Max.   :1085   Max.   :1443.00
                NA's   :197
   country             gender              age        symptom_onset      If_onset_approximated hosp_visit_date
 Length:1085        Length:1085        Min.   : 0.25   Length:1085        Min.   :0.0000        Length:1085
 Class :character   Class :character   1st Qu.:35.00   Class :character   1st Qu.:0.0000        Class :character
 Mode  :character   Mode  :character   Median :51.00   Mode  :character   Median :0.0000        Mode  :character
                                       Mean   :49.48                      Mean   :0.0429
                                       3rd Qu.:64.00                      3rd Qu.:0.0000
                                       Max.   :96.00                      Max.   :1.0000
                                       NA's   :242                        NA's   :525
 exposure_start     exposure_end       visiting.Wuhan    from.Wuhan        death             recovered
 Length:1085        Length:1085        Min.   :0.000   Min.   :0.0000   Length:1085        Length:1085
 Class :character   Class :character   1st Qu.:0.000   1st Qu.:0.0000   Class :character   Class :character
 Mode  :character   Mode  :character   Median :0.000   Median :0.0000   Mode  :character   Mode  :character
                                       Mean   :0.177   Mean   :0.1443
                                       3rd Qu.:0.000   3rd Qu.:0.0000
                                       Max.   :1.000   Max.   :1.0000
                                                       NA's   :4
   symptom             source              link              X.1             X.2             X.3
 Length:1085        Length:1085        Length:1085        Mode:logical   Mode:logical   Mode:logical
 Class :character   Class :character   Class :character   NA's:1085      NA's:1085      NA's:1085
 Mode  :character   Mode  :character   Mode  :character
```


Histogram of alive$age
Frequency
0
50
100
150
0
20
40
60
80
100
AGE


Histogram of dead$age
Frequency
0
5
10
15
30
40
50
60
70
80
90
AGE