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Paper Name ⇒ Scripting Language and Statistics with R

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Type of paper ⇒ Regular

Ans 1 ⇒ <!DOCTYPE html>

<html>

<head>

<title> Check for blank space </title>

<Script>~~type~~

function validate () {

if (document.getElementById ('fname').value == "" &&

document.getElementById ('mname').value == "" &&

document.getElementById ('lname').value == "") {

alert ("First Name, Middle Name and Last Name is Empty");

}

else if (document.getElementById ('fname').value == "" &&

document.getElementById ('mname').value == "") ~~&& document.~~

{
alert ("First Name and Middle Name is Empty");

}

Vinay


```
else if (document.getElementById('mname').value == "" &&  
document.getElementById('lname').value == "") {  
    alert("middle Name and last name is Empty");  
}
```

```
else if (document.getElementById('fname').value == "" &&  
document.getElementById('lname').value == "") {  
    alert("First Name and last name is Empty");  
}
```

```
else if (document.getElementById('fname').value == "") {  
    alert("First Name is Empty");  
}
```

```
else if (document.getElementById('mname').value  
== "") {  
    alert("Middle Name is Empty");  
}
```

```
else if (document.getElementById('lname').value == "") {  
    alert("Last name is Empty");  
}
```

</script>

</head>

<body>

<h1> Check for blank Entry </h1>

<fieldset>

Pooja

<label> First Name:

<input class = "input" type = "text" id = "fname" name =
"fname"> </label>

<label> Middle Name:

<input class = "input" type = "text" id = "mname"
name = "mname">

<label> Last Name:

<input class = "input" type = "text" id = "lname"
name = "lname"> </label>

<button type = "button" on click = "validate()"
value = "Send data"> Submit </button>

</fieldset>

Prind

Ans 2 ⇒

```
<html>
```

```
<title> student registration </title>
```

```
<h1> Student Registration Form </h1>
```

```
<body>
```

```
<form method = get action = " " >
```

```
Enter Student name : <input type = text name = t1 value = "<?php
```

```
if (isset($_GET['t2'])) echo $_GET['t2'];? "> </br>
```

```
Enter Student Roll no : <input type = text name = t2 value = "<?php
```

```
if (isset($_GET['t2'])) echo $_GET['t2'];? "> </br>
```

```
Enter Class : input type = text name = t3 value = "<?php
```

```
if (isset($_GET['t3'])) echo $_GET['t3'];? "> </br>
```

```
Enter Age : <input type = text name = t4 value = "<?php
```

```
if (isset($_GET['t4'])) echo $_GET['t4'];? "> </br>
```

```
Enter Address : <input type = text name = t5 value = "<?php
```

```
if (isset($_GET['t5'])) echo $_GET['t5'];? "> </br>
```

```
<input type = submit value = Submit > </br>
```

```
</form>
```

```
</body>
```

```
</html>
```

```
<?php
```

Prinay


```
if ($name
```

```
if (isset ($_GET ['t1']))
```

```
{
```

```
if ($name == " " || $roll == " " || $class == " " || $age == " "  
    || $add == " ")
```

```
{
```

```
echo "All fields are compulsory;";
```

```
}
```

```
else
```

```
{
```

```
$name = $_GET ['t1'];
```

```
$roll = $_GET ['t2'];
```

```
$class = $_GET ['t3'];
```

```
$age = $_GET ['t4'];
```

```
$add = $_GET ['t5'];
```

```
echo "<h1> Student Information </h1>
```

```
<br>";
```

```
echo "Student name : $name <br>";
```

```
echo "Student Roll no: $roll <br>";
```

```
echo "Student class : $class <br>";
```

```
echo "Student Age : $age <br>";
```

```
echo "Student Address : $add <br>";
```

```
}
```

```
$ ?>
```

Prinal

Ans3- Analyze any csv dataset using R

setting working directory

```
setwd("C:/users/Vinay Pathak/Desktop/r")
```

libraries required

```
library(dplyr)
```

```
library(quantmod)
```

load CSV file

```
stock - read.csv("HDFC.csv")
```

internal structure of R

```
dim(stock)
```

```
[1] 120 6
```

```
str(stock)
```

```
head(stock)
```

	Open	High	Low	close
2021-07-01	1502	1502.00	1483.00	1486.75
2021-07-02	1485	1489.25	1477.00	1480.40
2021-07-04	1489.95	1504.50	1484.55	1495.45
2021-07-06	1497	1545.35	1486.00	1535.70
2021-07-08	1534	1540.00	1527.70	1539.50

Print

tail (stock)

	open	high	low	close
2021-12-16	1511.86	1517.00	1494.00	1500.10
2021-12-17	1497.00	1500.00	1467.70	1473.05
2021-12-20	1457.00	1458.00	1414.10	1425.65
2021-12-21	1439.50	1450.75	1430.00	1441.60
2021-12-22	1453.25	1456.00	1435.70	1445.20

Summary (stock)

	open	high	low	close
min	1410	1430	1404	1417
1st qum	1497	1514	1489	1501
median	1536	1554	1528	1537
mean	1541	1555	1528	1541
3rd qum	1584	1598	1509	1582
max	1705	1728	1671	1589

boxplot

boxplot (stock \$ open)

boxplot (stock \$ High)

boxplot (stock \$ Low)

boxplot (stock \$ close)

plot (stock \$ open, col = "Red")

plot (stock \$ close, col = "yellow")

[Signature]

Ans 4 ⇒

Descriptive statistics - It describes the important characteristics / properties of data using the measures of central tendency like mean / median / mode

for stock \$ open

	high	low	close
min - 1410	1430	1404	1417
1st qua - 1497	1514	1489	1501
median - 1536	1554	1528	1537
3rd qua - 1584	1598	1569	1582
max - 1704	1725	1671	1589
mean 1541	1555	1528	1541

The overall price is moving between 1725 to 1404

as the stock \$ high is 1725 and stock \$ low is 1404

So there is possibility that the price will remain in this range in an upcoming time

median price movement is between 1528 to 1584

Drina

Inferential statistics \Rightarrow

It is about using data from sample and then making inferences about the larger population from which the sample is down. The conclusion drawn from a sample and generalize them to the population.

Conclusion \Rightarrow

- Mean is working as a important support and resistance point .and the current price of the equity is below mean
- There are very high chances that the market will touch the mean in coming days
- The min Low is 1404 and high 1725 the price is going to move between these two ranges.
- The qualities are also important support point during a suddenfall in demand.

T. V. R.