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Q-1> Define — — — — — — — — — — — — alert box.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <script>
        function validate(){
            var array = [3];
            if ( document.myform.Name.Value == "'")
            {
                array.push ("Name");
                document.myform.Name.focus();
                return false;
            }
            if( document.myform.Email.Value == " ")
            {
                array.push ("Email");
                document.myform.Email.focus();
            }
            if (document.myform.Course.Value == " ")
            {
                array.push ("course");
                document.myform.course.focus();
            }
```

```
            alert( array.pop());
            return true;
        }
    </script>
</head>
<body>

    <div class="mail">

        <form name="my form" action="#" onsubmit="validate()">
        <ul>
        <li> Name <input type="text" name="Name" /> </li>
        <li>Email <input type="text" name="Email" /> </li>
        <li> Course <input type="text" name="course"> </li>

        <li> <input type="submit" name="submit" value="submit"/>
        </li>
        </ul>
        </form>
    </div>
</body>
</html>
```

Q:2) Create - - - - - - - - - - - - Records.

=>

```html
<!DOCTYPE html>
<html long="en">
<head>
    <title>Student Registration Form</title>
</head>
<body>
    <form action="Display.php" method="post">
        <label for="name">Name:</label>
        <input type="text" id="name" name="uname"><br>
        <label for="email">Email:</label>
        <input type="text" id="email" name="mail"><br>

        <label for="city">City:</label>
        <input type="text" id="city" name="city"><br>

        <label for="dob">Date of Birth:</label>
        <input type="date" id="dob" name="dob"><br>

        <label for="pno">Phone Number:</label>
        <input type="number" id="pno" name="pno"><br>
        <input type="submit">
    </form>
</body>
</html>
```

```php
// PHP file code

<?php

$name = $_Post['uname'];
$email = $_Post['mail'];
$city = $_Post['city'];
$course = $_Post['course'];
$dob = $_Post['dob'];
$pno = $_Post['pno'];

echo "Name: ", $name;
echo "<br>";

echo "Email: ".$email;
echo "<br>";

echo "City: ".$city;
echo "<br>";

echo "Course: ".$course;
echo "<br>";

echo "Date of Birth".$dob;
echo "<br>";

echo "Phone Number: ".$pno;

?>
```

Analyze any CSV dataset Using R

```
setwd ("C://Users/abhishek/Downloads")

abhisheks <- read.csv ("Valorant-Stats.csv")

install.packages ("ggplot2")

library (ggplot2)
// Histogram

ggplot (abhisheks, aes(x = Name, y = Price )) + geom_bar (stat = "identity")

// Scatter plotting

ggplot (abhisheks, aes (x = Name, y = Price)) + geom_bar (stat = "identity")

// Pie-Chart

ggplot (abhisheks, aes (y = " ", Fill = Name, x = Price)) + geom_bar (
Width = 1, stat = "identity") + coord_polar ("x", stat = 0)

// Boxplot

ggplot (abhisheks, aes(x = Name, y = Magazine, (capacity)) + geom_
boxplot (size = 2)

// Line Graph

ggplot (abhisheks, aes(y = Name, x = Price, group = Weapon.Type,
colour = Weapon.Type)) + geom_line () + geom_point ()
```

```
min (abhisheks $ Price)

max (abhisheks $ Price)

mean (abhisheks $ HDMG_0)

median (abhisheks $ BDMG_0)

quantile (abhisheks $ Price, 0.25)

quantile (abhisheks $ Price, 0.75)

sd (abhisheks $ Fire.Rate)

Var (abhisheks $ Fire.Rate)

summary (abhisheks)
```

8-4 Discuss − − − − − − − − − − . dataset

=> Descriptive Statistics

1) Mean => (Price)

$$\frac{0 + 200 + 400 + 500 + 800 + 1000 + 1600 + 21000 + 2500 + 2900 + 2900 + 1100 + 4500 + 900 + 1500 + 1600 + 3200}{17}$$

=> 1629.41

2) made => (Price)
   => 2900

3) Median => (Price)
   => 1500

4) Sample Variance
   => 1.520×10^6

5) Standard Deviation
   => 1232.764

6) Range
     min => 0
     max => 4500

Inferential Statistics

1) Z-Score => 1.302 96