1

```
<!DOCTYPE HTML>
<html>
<head>
<script>
    function validate () {
        let x = document. forms ["my form"] ["frame"]
        value ;
        if (x == "") {
            alert ("Name must be filled out");
            return false
        }
    }
</script>
</head>
<body>
<h2> Javascript Validation </h2>
<form name. "my form" action = "/action_page.php"
        On submit = "return validation()" method = "post">
        Name: < input type = "text" name = "frame">
        <input type = "submit" value "submit">
        </form>
        </body>
        </html>
```

Bharat Singh Bhagal, MCA. 2101052

```php
<!DOCTYPE HTML>
<HTML>
<head>
<title> PHP Registration </title>
</head>
<body>
<?php
$nameErr = "   ";
$emailErr = "   ";
$genderErr = "   ";

$name = "   ";
$email = "   ";
$gender = "   ";

if ($_SERVER ("REQUEST.METHOD"] == "POST" {
        if (empty ($_POST ["name" ])){
                $nameErr = " Name field required".
        }else {
        $name = test-input ( $_POST ["nam"]);
        if (!preg-match ("/" [a-z-A-z-]* $ /", $nam)){
        $nameErr = "only letter and white space allowed";
        }
        }
    if (empty ( $_POST ["email"])){
        $emailErr = "Email Required";
```

Bharat Singh Bhogal   MCA, 2161052

```php
} else {
    $email = test.input ($.POST ["email"];
        if [! files_var ($email, FILTER_VALIDATE_EMAIL)) {
        $email Err = " Invalid email" ;
        }
    }
    if (empty ($.POST ["gender"])) {
        $ gender Err = "Gender required";
        } else {
            $ gender = tent -input ($.POST ["gender"]]
        }
    }

    function test-input ($data)
        { $data = trim ($data)
        $data = Stripslashes ($data)
        $data = htmlspecialchars ($data);
        return $data
        }
    ?>

    <h1> Php registration form </h1>
    <form method="post" action= "<?php echo htmlspecialchars
            ($.SERVER ["PHP_SELF"]; ?>">
        <b> Enter Name: </b>
        <input type="tent" name="name" value = "<? Php echo
        $name; ?>">
        <span> * <? php echo $name Err; ?> </span>
        <br> <br>
```

```
<b> Enter Email: </b>
<input type = "text" name = "email" value = "<?php echo $email;?>
">
<span> * <?php echo $emailErr: ?> </span>
    <br> <br>
<b> select Gender: </b>
<input type = "radio" name = "gender" <?php if (isset ($gender)
    && $gender == "female") echo "checked" : ?>
Value = "female" > fEMALE
<input type = "radio" name = "gender" <?php if (isset ($gender)
    && $gender == "male") echo "checked" ?> Value="male">
Male
<span> * <?php echo $genderErr ?></span>
<br> <br>
<input type = "Submit" name = submit" value = "Register">
</form>
<?php
    echo "<h2> Yours input; </h2>";
    echo $name;
    echo "<br>";
    echo $email;
    echo "<br>";
    echo $gender;
    ?>
</body>
</html>
```

Bharat Suyk Bhagat, MCA, 2000052

Analysing dataset on covid.19 cases in different state in India.

CODE

libraries used

library (dplys)

Setting working directory and importing dataset
Setwd ("D:/igehu-r-lab")
mydata ← read.csv ("latest_Covid_19_india_status.cov")
mydata

# Barplot of active cases in different state/r and saving bar plot in png file
Png(fili = "barplot.png")
barplot (mydata $ active, xlab = "states/UT", ylab = "active case",
main = "Active Case VS stat", cd = "orange",
name.arg = mydata $ Stati. UTs)
dev.off()

⑨① # Statistical .... mean mode etc
Summary (mydata)

(Summary of the dataset given) of death ratio
0 minimum value is 0.04

Ist quarter is 0.9625

median is 1.3300

mean is 1.3056

3rd Quarter is 1.6625

0 Maximum value is 2.7500

after analysing the dataset of Covid 19 we have come to the conclusion that the mean active case & death ratio of covid 19 are 0.3603 & 1.3056 and the maximum total case in a state is Karnataka (66.99.8.68) & the average of discharged person is 9,52,150

Inferential statistics

1) chi - square test

model ← chisq test (my data)

model

2) Correlation coefficient

Cor (mydata $ active, mydata $ Active ratio)

3) Anova set

my subdata ← aov (mydata $ Active-ratio is mydata $ active)

Ouput Pr(>p) is 0.014 as the value is less then 0.05 then we reject Null hypothesis and ac