

Ans 1:- <!DOCTYPE html>

<html>

<head>

<script>

function validate(){

let x = document.forms["my form"]["forms"]

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 validate()" method = "post">

Name : <input type = "text" name = "name">

<input type = "submit" value = "submit">

</form>

</body>

</html>

Ans 2:- <!DOCTYPE html>

<html>

<head>

<title> Registration form using PHP </title>

</head>

<body>

<?php

\$nameErr = " ";

\$emailErr = " ";

\$genderErr = " ";

\$name = " ";

\$email = " ";

\$gender = " ";

if (\$_SERVER["REQUEST_METHOD"] == "POST") <

if (empty(\$_POST["name"])) <

\$nameErr = "field name required";

} else <

\$name = text_input(\$_POST["name"]);

if (!preg_match("/^[a-zA-Z-']*\$/", \$name)) <

\$nameErr = "only letters and white space allowed";

}

}

if (empty(\$_POST["email"])) <

\$emailErr = "Email Required";

} else <

\$email = text_input(\$_POST["email"]);

if (!filter_var(\$email, FILTER_VALIDATE_EMAIL)) <

\$emailErr = "invalid email";

}

}


```

if (empty($_POST["gender"])) {
    $genderErr = "gender required";
} else {
    $gender = test_input($_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"]); ?>">

 Enter Name:

<input type="text" name="name" value="<?php echo htmlspecialchars(\$name; ?>">

 * <?php echo \$nameErr; ?>

 Enter Email:

<input type="text" name="email" value="<?php echo htmlspecialchars(\$email; ?>">

">

 * <?php echo \$emailErr; ?>

 Select Gender :

```
<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 $gender <?php if (isset($gender)
    ++ $gender == "male") echo "checked"; ?> </span>
```



```
<input type="submit" name="submit" value="Register">
</form>
```

```
<?php
```

```
echo "<h2> Your input : </h2>";
```

```
echo $name
```

```
echo "<br>";
```

```
echo $email;
```

```
echo "<br>";
```

```
echo $gender;
```

```
?>
```

```
</body>
```

```
</html>
```


A Ans 3:- Analysing Dataset on Covid-19 cases

CODE:-

libraries used

library(dplyr)

setting working directory and importing dataset

setwd("D:/genu-Rkb-file")

my data ← read.csv("latest-covid-19-india-status.csv")

my data

Barplot of active cases in different state/UT and
saving bar plot in png file

png(file = "barplot.png")

barplot(mydata \$ Active, xlab = "states/UT", ylab = "Active
case", main = "Active cases v/s state", col = "orange",

names.arg = my data \$ state = UTs)

dev.off()

statistical . . . mean mode etc

summary(my data)

⇒ (Summary of the dataset given)
of Death ratio

• minimum value is 0.004

- 1st Quartile is 0.9625
- Median is 1.3300
- Mean is 1.3056
- 3rd quartile is 1.6625
- Maximum value is 2.7500

~~Ans 4~~:-

After analysing the dataset of covid 19 we have come to the conclusion that the mean active cases and death ratio of covid 19 are 0.3603 and 1.3056.

And the maximum total case in a state is Karnataka (66,99,868) and the average of discharged person is 9,52,650

Ans 4:

Descriptive Statistics

summary(mydata)

dim(mydata)

str(mydata)

names(mydata)

Inferential Statistics

1) Chi-square test

~~model~~ model <- chisq.test(mydata)
model

2) # correlation coefficient

cor(mydata\$Active, mydata\$ActiveRatio)

3) Anova test

mySubdata <- aov(mydata\$ActiveRatio ~
mydata\$Active)

output $P(>P)$ is 0.0014 as this value is

less than 0.05 then we reject null hypothesis and accept the alternative hypothesis

4) T-test

this gives us the T-score for the dataset
t.test(mydata, mu=100)

Here pvalue is 0.334263 > 0.05

so we accept the null hypothesis.