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SCRIPTING LANGUAGE MID-SEM PRACTICAL

CODE → PMC - 103

Q1.
```
<html>
<head>
<script>
function validate ()
{ var msg = " ";
  if(document.getElementById('name').value == " ")
{ msg = "username";
document.getElementById('name').focus()
}
if(document.getElementById('lname').value == "")
{ if (msg != " ")
{ msg += ", "
}
msg += " lastname"
}
```

```
if (document.getElementById('pass').value == "")
 { if (msg != "")
    { msg += "and"
     }
  msg += "password"
 }
if(msg != "")
{ alert ("provide " + msg);
  return false;
 }
}
</Script>
</head>
<body>
<form action = "login.php" method = "post" onsubmit = "return validate();"
Name: <input type = "text" id = "name"></br></br>
last Name : <input type = "text" id = "lname"></br></br>
Pass-word ; <input type = "password" id = "pass"> </br></br>
<input type = "Submit" name = "sub" value = "Submit">
</form>
</body>
</html>
```

Q6.

```
<html>
<head>
<title> Student Registration form </title>
</head>
<body>
<form action = "<?php $_PHP_SELF ?>" method = "post">
Name: <input type = "text" name = "nme"> <br><br>
Id: <input type = "text" name = "idno"> <br><br>
Phone no: <input type = "text" name = "pho"> <br><br>
Email : <input type = "email" name = "Em"> <br><br>
<input type = "submit" name = "sub" value = "Save">
</form>
</body>
</html>
<?php
if (isset($_POST['sub']))
{ $Conn= mysqli_connect ("localhost", "root", "");
if($Conn)
{ echo "Mysqli Connection Successful <br>";
mysqli_select_db ("firstdb", $Conn);
$name = strval ($POST['nme']);
$ id = intval ($_POST['idno']);
$ phone = Strval ($_POST['pho']);
$ Email= Strval ( $_POST['Em']);
$sqlq = " insert into Stuinfo values ('$name', '$id', '$phone', '$ Email')";
```

```
if(mysqli_query($sql, $conn))
  { echo " Data inserted successfully" <br>";
    }

$result =" select * from stuinfo";
$res = mysqli_query ($result, $conn);

echo " <table border = '1' cellpadding = '2' cellspacing = '3' >

 <tr>
  <th> Name </th>
  <th> Id </th>
  <th> PhoneNo </th>
  <th> Email </th>
<tr>";
while ( $rows = mysqli_fetch_array ( $res ))
  { echo "<tr>";
    echo "<td>". $rows['name'] ." </td>";
    echo "<td>". $rows['id']." </td>";
    echo "<td>". $rows ['phone'] ." </td>";
    echo " <td>". $rows ['email] ." </td> ";
  }
  echo "</table>";

  }
 }
?>
```

Q3. Analyse CV dataset

```
setwd("D:/np")
mydata <- read.csv("waterdata.csv")
View(mydata)
a = mydata %>% select(1, 3)
a
b = mydata %>% filter(mydata, PH<9 & PH>8)
b
names(mydata)
Summary(mydata)
table(mydata$state)
str(mydata)
ggplot(mydata, aes(x= STATE, fill= STATE)) + geom_bar() + xlim
("MAHARASHTRA", "ODISHA", "KERELA")
```

Q4. Desciptive → It summarises & describe, present value of dataset

```
mydata <- read.csv("waterdata.csv")
mean(mydata$CONDUCTIVITY)
median(mydata$CONDUCTIVITY)
range(mydata$PH)
min(mydata$B.O.D)
max(mydata$B.O.D)
Summary(mydata)
```

Inferential → It is used to draw inferences from the data sample of huge dataset.

① Z-Scores & Z-test →

mydata ← read.csv("Waterdata.csv")

psd ← sd(PH) * sqrt[(length(PH)-1) / (length(PH)))

pmean ← mean(PH)

Z-Score ← (PH - pmean) / psd

data ← read.csv("BOD.csv"):

z.test = function(a, mv, val) {

zeta = (mean(a) - mv) (sqrt(val / length(a)))

return(zeta)

}

a ← BOD $ BOD

z ← z.test(a, 5.2, 8.5)

p-value ← 2 * pmean(-abs(z))

② chi-square test :-

tables ← table(data $ PH, data $ CONDUCTIVITY)

CHI ← chisq.test(tables, Correct = T)

attributes(CHI)

CHI. $expected