Name :- Gaurav Singh
Roll no :- 57
Section :- 'D'
University Id :- 2101261
Subject :- SL and R Lab

Ans-2 A Student Registration in PHP.

```
<html>
<head>
    <title> Registration form </title>
    </head>
    <body>
    <div class = "container">
    <h3> Student Registration Form </h3>
    <form action = "action.php" method = "post">
      <P> Student Name </P>
    <input type = "text" name = "name">
    <P> Date of Birth : </P>
    <input type = "date" name = "date">
    <P> Gender : </P>

    <select name = "gender">
    <option value = "male"> Male </option>
    <option value = "female"> female </option>
    <option value = "others"> others </option>
</select>
<P> Address : </P>
<text area name = "address" rows = "4">
 <P> E-mail : </P>
<input type = "email" name = "email">
  <P> Phone : </P>
```

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```
<input type = "number" name = "number">
<P> Catogory : </P>
<select name = "Catagory">
    <option value = "general"> General </option>
    <option value = "OBC"> OBC </option>
    <option value = "SC/ST"> SC/ST </option>
    </select>
<P> Course : </P>
<input type = "text" name = "Course">
<input type = "Submit">
</form>
</div>
</body>
</html>
```

Gaurav
Signature:-

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Ans 2

```
<html>
<head>
    <title> Registration details </title>
</head>
<?php
    $name = $_POST['name'];
    $dob = $_POST['date'];
    $gender = $_POST['gender'];
    $address = $_POST['address'];
    $email = $_POST['email'];
    $Phone = $POST['Phone'];
    $Category = $POST['Category'];
    $Course = $POST['Course'];
?>
<body>
    <h3> Details you entered are : </h3>
    <p> Name: <?php echo $name?> </p>
    <p> Date of Birth: <?Php echo $dob?> </p>
    <p> Gender: <?Php echo $gender ?> </p>
    <p> Address: <?Php echo $address ?> </p>
    <p> E-mail: <?Php echo $email ?> </p>
    <p> Phone: <?Php echo $Phone ?> </p>
    <p> Category: <?Php echo $Category ?> </p>
    <p> Course: <?Php echo $Course ?> </p>
</body>
</html>
```

Gaurav
Signature:-

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Ans 1 :-

```
<script type = "text/javascript">
    function validateform
<html>
<head>
    <title> Validate </title>
    </head>
<body>
<form onSubmit = "return validate()">
 Username: <input type = "text" id = "Pname"> <br> <br>
<button> Submit </button>
 </form>
<script>
let u = document.getElementById ("Uname");
let p = document.getElementById ("Pname");
 function validate()
{
 if (u.Value.trim() == "" || P.Value.trim() == "")
 {
 alert ("Unfilled fields");
  return false;
 } else
     return true; }
</script>
 </body>
 </html>
```

Gaurav
Signature :-

Father name: Devendra Singh.

Graphic Era Hill University, Dehradun
(Answer Sheet for Online Examination Feb. 2022)

Please tick (√) your campus: (DEHRADUN/BHIMTAL/HALDWANI)

Name: Gaurav Singh ..... Univ.Roll No. 2101261 ..... Student ID 21711290 .....
Date: 15/03/2022 Course: MCA ..... Branch: ..... Sem.: Ist ..... Section: 'D' .....
Subject Name: S.L. and R. Lab ..... Subject Code: ..... Page No. 05

Ans 3 Analyze CSV dataset.

Here we are going to analyze a dataset named 'pokemon.csv' having a detail of different pokemon in a game with the hit points (HP), Attack power, defence power etc.

Reading the .csv file

- pokemon <- read.csv(pokemon.csv)
- Select (pokemon, Generation, Defence) → poke2
  plot (poke2)
- ggplot (data = pokemon, aes (x = Type.1, fill = Type.1))
  + geom_bar ()

Some quantitative analysis:-

- number of rows
  nrow (pokemon)
- number of columns
  ncol (pokemon)

Gaurav
Signature of Student

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Ans 3 • Minimum

min (Pokemon $Attack)

- Maximum

max (Pokemon $Defence)

- mean

mean (Pokemon $Attack)

- median

median (Pokemon $speed)

- Quafile

quantile (Pokemon $SP...Atk)

- Standard Deviation

sd (Pokemon $SP...Def)

- Variance

Var (Pokemon $HP)

- Poke3 <- Select (Pokemon, Attack, Defense)

boxplot (Poke3)

- ggplot (data = Pokemon, aes (x = HP)) + geom_histogram(fill = "lightgreen", col = "darkgreen")

Gaurav
Signature:-

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Ans. 4 Descriptive Stats :-

Summary (Pokemon)
dim(Pokemon)
Str (Pokemon)
names (Pokemon)

Inferential Stats

(i) Chi-Squared test
model <- chisq.test (Pokemon)
model
#output P-Value = 0.135166 > 0.05

(ii) Corelation Cofficient
Cor (Pokemon $HP, Pokemon $ Defence)
#output. 0.96315 > 0.8

(iii) Anova test
Poke4 <- aov (Pokemon $HP ~ Pokemon $ Speed)
Poke4
#output Pr (>F) is 0.0013

(iv) T-test
t.test (Pokemon, mu = 100)
Here P-Value = 0.334263 > 0.05
accepting Null hypothes.

Gaurav
Signature