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Paper code: PMC-103

Type of paper: Practical End term

Ans 1: Source Code:

```html
<html>
<head Validate method </head>
< body>
<form name = "myform" action =" /action.page.php"
onsubmit = "return validate ()" method = "post">
Name: <input type = "text" name= "fname"> <br>
Password: <input type = "password" name = "fname">
<br>
Course: <input type = "text" name= "course"><br>
<input type = "submit" value ="submit">
<script>
function validate()
let x = document.forms ["myform"] ["frame"].value
let x1 = document.forms ["myform"] ["pass"].value
let x2 = document.forms ["myform"] ["course"].value
```

```
if (x== " " && x1== " " && x2== " ")
{
alert ("Name, password, course must be filled aut");
}
 else if (x== " " & x1= " ")
{
  alert ("name, password must be filled aut");
}
 else if (x== " " & x2= " ")
{
alert ("name, course must be filled aut");
}
 else if (x1== " " & x2 = " ")
{ alert ("password, course must be filled aut");
}
 return false;
}
</script>
</form>
</body>
</html>
```

Ripu

Ans 2. student registration form :

```
<html>
  <title> student registration </title>
  <h1> student Registration form </h1>
  <body>
    <form method =get action=" ">
    Enter student name: <input type = text name =t1 value="
  <?php if (isset ($_GET['t1'])) echo $_GET['t1']; ?>".
  <br>
  Enter student Roll no : <input type =text name = t2 value="
  <?php if (isset ($_GET['t2'])) echo $_GET['t2']; ?>">
  <br>
  Enter class : <input type = text name = t3 value ="<?php if
  (isset ($_GET['t3'])) echo $_GET['t3']; ?>"> <br>
  Enter Age : <input type=text name =t4 value ="<?php
  if (isset ($_GET['t4'])) echo $_GET['t4']; ?>">
  <br>
  Enter Address : <input type=text name =t5 value ="<?
  php if (isset ($_GET['t5'])) echo $_GET['t5']; ?>">
  <br>
  <input type = submit value = submit></br>
</form>
```

Nisha

```php
</body>
</html>

<?php
if (isset ($_GET ['t1']))

{
  if ($name == " " || $roll == " " || $class == " " || $age == " " ||
  $add == " ")

  {
    echo "All field are compulsory:";
  }

  else

  { $name = $_GET ['t1'];
    $roll = $_GET ['t2'];
    $class = $_GET ['t3'];
    $age = $_GET ['t4'];
    $add = $_GET ['t5'];
    echo "<h1>Student Information </h1><br>";
    echo "Student name: $name <br>";
    echo "Student Roll no: $roll <br>";
    echo "Student class: $class <br>";
    echo "Student Age: $age <br>";
    echo "Student Address: $add <br>";
  }
}
?>
```

Disha

Ans 3: Analysing csv file using R.

→ Input as csv file

save the file as (input.csv)

```
id , name , salary , start-date , dept
1 , Rick , 623.3 , 2012-01-01, IT
2 , Dan , 515.2 , 2013-09-23, Operations
3, Michelle , 611.0 , 2014-11-15, IT
4, Ryan , 729 , 2014-05-11 , HR
5 , Gary , 843.25, 2015-03-27, finance
6, Nina , 578, 2013-05-21, IT
```

→ Reading a csv file

for reading, we use (read.csv) function.

```
data <- read.csv ("input.csv")
print (data)
```

→ Analyzing the csv file

By default the (read.csv()) function gives the output as a data frame.

```
data <- read.csv ("input.csv")
print (is.data.frame (data))
print (ncol (data))
print (nrow (data))
```

Oure

→ **Get the maximum salary**

```
# create a data frame.
data <- read.csv("input: csv")

# Get the max salary from data frame.
sal <- max (data $ salary)
print (sal)
```

→ **Get the details of the person with max salary**

```
# create a data frame.
data <- read.csv("input .sv")

# Get the max salary from data frame.
sal <- max (data $ salary)

# Get the person details having max salary
retval <- subset (data, salary == max (salary))
print (retval)
```

→ **Get all the people working in IT department**

```
# create a data frame
data <- read-csv (input. csv")

retval <- subset (data, dept == "IT")
print (retval)
```

⟶ Get the people who joined on or after 2014

```
# create a date frame.
data <- read.csv ("input.csv")
retral <- subset (data, as.Date (start-date) > as.Date
            ("2014-01-01"))

print (retral)
```

⟶ writing into a csv file

The (write-csv()) function is used to create the csv file.

```
# write filtered data into a new file
write-csv (retral, "output.csv")
newdata <- read-csv (" output.csv")
print (newdata)
```

⟶ Boxplot

```
boxplot (imput.csv $ salary, col = c ('blue', 'green', 'red'),
    xlab= "name", ylab = "salary")
```

Riya

Ans 4: # Descriptive statistics

summary (input. csv)

dim (input . csv)

str (input. csv)

names (input. csv)

inferntial statistics

1) chi - squared test

model <- chisq.test ("input.csv")

2)   # correlation coefficient

cor ("input.csv"$ salary , input.csv $ dept)

3) Anova test

input. csv 4 <-aov (input.csv $ salary or
input. csv $ dept)

4) T-test

The T test gives w the T-score for the
dataset t.test ("input.csv, mu=100)