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University roll 2101219 Paper: Scripting language & Statistic with R

Semester 1st College name : MCA

Paper code: PMC-103

Q1.

```
<html>
 <head>
  <title> </title>
 </head>
 <body>

 <Script>
   Function validate(){
   if(document.getElementById("fname").value==" " && document.
    getelementById("mname").value==" " &&
    document.getElementById("lname").value==" "){
      alert("First Name, Middle name and last name is Empty");
   }
      else if(document.getElementById("mname").value==" " &&
       document.getElementById("lname").value==" "){}
</
```

```
alert("Fnast name and Middle is empty");
}
else if(document.getElementById('mname').value==""&&
document.getElementById('lname').value=="")
{
alert("Middle name & last name is Empty");
}
else if(document.getElementById('fname').value==""&&
document.getElementById('lname').value=="")
{
alert("Middle Name and last name is empty");
}
else if(document.getElementById('fname').value=="")
{
alert("Fnast name is empty");
}
else if(document.getElementById('mname').value=="")
{
alert("Middle name is empty");
}
else if(document.getElementById('lname').value=="")
{
alert("last name is empty");
}
};
</script>
```

```
</head>
 <body>
   <h1> check for blank entry </h1>
    <fieldset>
     <label> First name:
    <input class="input" type="text" id="fname" name="fname">
       </label>
     <br>
    <label> Middle name:
     <input class="input" type="text" id="mname" nam="mname">
    <br>
    <label> last Name:
    <input class="input" type="text" id="lname" name="lname">
       </label>
      <br>
     <button type ="button" onclick ="validate()" value="Send">
       Submit</button>
      </fieldset>
  </body>
  </html>
```

2.

```
<html>
<head>
<title> Student registration </title>
<head>
<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>
</body>
</html>
<?php
if(isset($_GET['t1']))
{
if($name=="" || $roll=="" || $class=="" || $age="" ||
$add="")
{
echo "All fields 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>";
}
}
?>
```

3. Analyze any CSV data set using R

```
# importing dataset
    Setwd("C:/users/Shubham/downloads")

# libraries
    library(dplyr)
    library(ggplot2)

# load csv file
    data<-read.csv("happy.csv")
```

Summary(happy)

Social Support	health life	freedom to make
min : 0.4630	min: 48.48	Min : 0.3820
1st qu: 0.7500	1st qu : 59.80	1st qu : 0.7180
Median : 0.8147	Median : 66.80	Median : 0.8040
3rd qu : 0.9050	Mean : 64.99	Mean : 0.7916
Max : 0.9830	3rd qu: 69.60	3rd qu : 0.8770
	Max. 76.95	Max : 0.9700

```
# pie chart
  happy1<-happy[1:20,'Freedom to make life choices']
  happy1
  lables<-happy[1:20,';country.name']
  lables
  pie(happy1, lables, col=rainbow(5))

# Barplot
  barplot(happy$Freedom to make life choices, xlim=c(1,20)
          ,names=happy$country.name, xlab='country', ylab='free
          dom to make choice, main='happy-happiness relation to freedom')
```

4

Descriptive: It describe the important characteristics of data using the measure of central tendency like mean/median/mode

For hobby & health life expectancy

Min: 48.48

1st: 59.80

Median: 66.80

Mean: 64.99

3rd qu. 69.60

Max: 76.95

The life expectancy is between 76.95 to 48

Median life exectancy is 66.80

Influential Statistics

It is about using data from sample and then making inferences

about the larger population from which the sample is drawn.
The conclusion drawn from a sample and generalize that to the population

Conclusions

. Mean is working as a important Support and resistance point and the current age of population is below mean.

. There are high chances that the country with high mean will be better in happiness index.

. The quartiles are also important Support point during a sudden fall in demand.