End term practical exam

①

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 = "frame"><br>
Password : <input type= "password" name= "pass"><br>
Course : <input type="text" name="course"><br>
<input type = "submit" value = "submit">
< script >
function validate ()
let u = document.forms ["myform"] ["frame"].value;
let u1= document.forms ["myform"] ["pass"].value;
let u2= document.forms ["myform"] ["course"].value;
if (u == " " && u1 == " " && u2 == " ")
{
alert ("Name, password, course must be filled out");
}
else if (u == " " && u1= " ")
&& {
```

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```
alert ("name, password must be filled out");
}
else if (n== "  " && n2= " ")
{
alert ("name, course must be filled out");
}
else if (n1== "  " && n2= " ")
{
alert ("password, course must be filled out");
}
else if (n== " ")
{
alert (" name must be filled out");
}
else if (n1== " ")
{
alert (" password must be filled out");
}
else if (n2 == " ")
{
alert (" course must be filled out");
}
return false;
}
}
</script>
</form>
</body>
</html>
```

Ans 2 ⇒

```php
<!DOCTYPE html>
<html, lang="en">
<head>
<title>PHP Registration form</title>
</head>
<body>
<?php
$nameErr="";
$emailErr="";
$genderErr="";
$websiteErr="";
$name="";
$email="";
$gender="";
$comment="";
$website="";
if($_SERVER["REQUEST_METHOD"]=="POST")
{
if(empty($POST["name"]))
{
$nameErr="Name field is required";
}
else {
$name=test_input($POST["name"]);
if(!preg_match("/^[a-z A-z-]*$/", $name))
{
$nameErr="only letters and white space allowed";
}
}
if(empty($POST("email")))
{
```

```php
$emailErr = "Email is required";
}
else
{
$email = test_input($_POST["email"]);
if (!filter_var($email, FILTER_VALIDATE_EMAIL))
{
$emailErr = "Invalid email format";
}}
if (empty($_POST["website"]))
{
$website = " ";
} else {
$website = test_input($_POST["website"]);
if (! preg_match("/\bC?:(?:https?|ftp:)\/\/|www\.
[a-z0-9+&@#\/%?=~_|!,;]*[-a-z0-9+
&@#\/% = ~]/i", $website)}';] * [-a-z0-9+
{
$websiteErr = "invalid URL";
}}
if (empty($_POST["Comment"]))
$
$comment = " ";
} else {
$comment = test_input($_POST["comment"]);
}
if (empty($_POST["gender"])) {
$genderErr = "Gender is required";
}
```

```php
} else {
$ gender = test_input ($_POST ["gender"]);
} }
function test_input ($ data)
{
   $ data = trim ($ data);
   $ data = Stripslashes ($data);
$ data = htmlspecialchars ($ data);
return $ data;
}
?>
```

```html
<h1> PHP Registration form </h1>
<form method = "post" action= " "<?php echo html
   specialchor ( $_SERVER ["PHP_SELF"]); ?>" >
<b> enter name: </b> <input type = "text" name=
   " name"
value = "<?php echo $ name; ?>">
<span class ="error">* <?php echo $ nameErr ; ?>
   </span>   <br> <br>
<b> enter email: </b> <input type =" text
name ="email"
value = " <?php echo $ email; ?>">
<span class ="error"> * <?php echo $ emailErr;
?></span>  <br> <br>
<b> enter website: </b> <input type ="text" name=
   " website" value=" <?php echo $ website; ?>">
```

```
<span class = "error"> * <?php echo $website Err ;?
> </span> <br><br> <b> comment : </b> <textarea
name = "commed"> <?. php echo $commed ;?></ted
area > <br> <br>
<b> select gender : </b>
<input type = "radio" name= "gender" <?php if
(isset ($gender) && $gender == "female") echo "checked"
; ?>
value = "female">female
<input type = "radio" name = "gender" <?. php if
(isset ($gender) && $gender = "male") echo 'checked"; ?>
value = "male">Male
<input type= "radio" name="gender" <?php if (isset
($gender) && $gender == "other") echo "checked"; ?>
value ="other">other
<span class="error"> * <?php echo $gender Err ;?><
/span> <br><br>
input type = "submit" name = "submit" value=
" Register">
</form>
<?php>
echo "<h2>Your Input !</h2>";
echo $name;
echo "<br>";
```

```
echo $email;
echo "<br>";
echo   $website;
echo "<br>";

echo $comment;
echo "<br>";

echo $gender;
echo "<br>";

echo "<b> Your data is saved"
?>
</body>
</html>
```

End term practical exam

Ⓐ

Ans 3⇒

```r
# Dplyr library function
library (dplyr)
*et wd ("G:/MCA")
my data <- read.csv ("most runs.csv")
my data
# Descriptive Statistics
summary (my data)
dim (my data)
str (my data)
names (my data)
# select function
mysub daa <- select (my data, batsman,
average)
my sub data
# filter & arrange function
my subdata1 <- filter (my data, average>50)
my subdata1
mysubdata 2 <- arrange (my data, desc (average))
mysubdata 3 <- arrange (my data, desc(strikerate))
# Top & Bottom 5 average Batsman
head (mysubdata 2)
tail (mysubdata2)
```

```
# mudate function (to add a coloumn to dada
  set )
my dada <- mudate (mydata, performance = runs_balls)

# Different Plot of Data Set

#  Histogram
hist (mydada $average, col=c('blue','green','red'),
n lab ="Average", ylab="players", break= 50)

# Scattered Plot
Plot (my dada $ strikerate, col= c('blue',
'green', 'red'), n lab= "players", y lab = "strike
- rate")

# Bar Plot
bar plot(my dada $ average, col= c('blue','green',
'red'), n lab = "Players", ylab="Average")

# Box Plot
box.plot (my data $ average, col=c ('Blue',
'green', 'red'), n lab= "players", ylab=
   "Average")
```

Ans14) # descriptive statistics
   summary(mydata)
   dim (mydata)
   str (mydata)
   names (mydata)
   # Infrential statistics
   # chi-squared test
   model <- chisq.test (mydata)
   model
   # Output p-value= 0.446283 > 0.05
   # This 'mydata' is highly corelated and
   we # accept the NULL hypothesis.

   # Correlation Coefficient
   Cor (mydata $ Batsman, mydata $ runs)
   # output 0.993247 > 0.0
   # This Batsman & runs is strongly correlated
   to # each other

   # Anova test
   mysubdata 4 <- aov (mydata $ runs ~ mydata
      $ average)
   mysubdata 4
   # output Pr (>F) is 0.0013 as this value is less
   than # 0.05 then we reject NULL hypothesis and
   # accept the alternative Hypothesis.

T-Test

This gives us the T-score for the data set   t.test (mydata, mu=100)

Here p-value is. 0.446283 > 0.05

So we accept the NULL Hypothesis.