```
Name-Rabul Bhan Lavi
Roll No - 2101157
 Subject Code-PMC-103
Section - D
        Thead > Validate Hethod Thead >
        of form name = "my form" action = "laction-page-ply"
        ousebuit = "return validate "" method = "gost" >
        Nome: <input type="text" name="frame"> Lbors
       l'assword: L'input type = "password" name = "pass"> Lbris
       Course: limpet type = "text" name = "Course"><box>
       Ciapat type = "Submit" Value = "Submit" >
       150 supt >
      function validate ()
       let n= Locument. forms ["myform"] ["fname"]. Value;
      let 11 = Locument, forms ["myform"] ["Ross"]. Value;
      let 1/2 = Lavment. forms ["myform"] ["Covrise"]. Volue;
       if (n=="" +4 n1=="" +4 n2=="")
       alert l''Name, Password, Course must be fille 1');
      elseif (n:=""44 x1:"")
       dert l''name, password must be filled ");
```

```
else if (n==f4n2=="")
  alert l'' name, loverse must be filles ");
  else if (x1=="" +4 x(2="")
  alert ("Password, Course must be filled");
 Elert ("name must be filled");
 about ("Password must be filled");
  else if (12=="")
  deret l''Course unst be filled');
  ne furu følse;
  1/seript>
    1/f091m>
         4body7
             1/html>
```

```
(Doctype html)
 Chead >
 (title) Student Registration Form 4/title)
  Thead > 1/body>
  12 ship
  Buame E9171 = " ";
 $ email Enn = "";
   genderErr="";
   uame = " ;
   cevail="";
   gender="";
if (B-SERVER ["REDUEST_ METHOD"] = = "POST") &
 if (empty ($: 80592"name"))) ?
Brawe Err - "Name Field is required";
$ name - test_input($_805T["name"]);
if (! preg-match ("11 [a-zA-Z-']*$1", $ name) 13
Buame Ens : Ouly letters & white space allowed";
if (empty ($ - 80 SF ["email"])) }
Semastern= "Email 1's requires";
& email = test_injut (B_8058 ["email]);
```

```
of C. filter_Var (Bemail, FILTER_VALIDATE E_EMAIL)) ?
PemailErr="Invalid curail format";
 if (empty ($ 8051 ["gender"]))?
& gender Err = "Grender is required";
 &gender=test_input ($-8059["genser"]);
 function test - input ($Lecta) ?
  Idata = trium (BLata);
 Blata = Stripslashes (Blata);
  Blata = htmlspecialchars(Blata);
  return $ Lata;
 (hi) Student Registaction Form Alle)
 Afonus wethod = "gost" action="17 php echo bitulspecial charis C$ SERVER
  ["PHP_SELF"]; 7>">
 lb > Enter Name: </b> Lingut type = "text" name = "name" value = "1?
   Rhp echo Guame; ?>">
 < span class = "errors"> + <! plup eche $ manue Erri?> </spans
 人かかっ(かへ)
```

```
(b) Select Grender: 46>
Tingut type = "seado" name = "gender" (? php if (isset (& gender)) &f
  $ gender == "female") echo "checkes"; ?> Value - "female" > Female
l'injut type = "eradio" name = "sonders" <? pap y (isset & genders) + f
Bogender = = "Hale") eelio "checkes"; ?> Value = "Male"> Hale
Chiquet type = "leado" name = "gender" (! plup of Visset & gender) 4 f
Byender = = "Other") eclio "ocheckes"; ?> Value = other"> other
(Span clas = "evos"> # 17. php echo $ gender Ern; ?> </ ggan>
 (bor> cbor>
 Cinput type =
                 Submit" name: "submit value: "Registos">
  4 forms
   29hp
  eche "lhz> Your lugut: 2/hz>
  ello Guerre;
  echo "Lbers";
  celro & email;
  celo "lbn";
  eelio & gensa;
   eelo "Lbor";
   echo "lb> youn dato is saved"
      1/body>
            Whitel)
```

Hus 3-# Dply 91 library function liborary (Aply 91) Seturd ("D:/MCA") vuy (- read. CSV ("mostums. csv")

Descociptive Statistics

Summary (my Lata)

Lim (my Lata)

Star (my Lata)

names (my Lata)

Select function

mysublata 1 - select (mylata, batsman, average)

Høilter farrange function

mysubstatal <- filter (my tata, average >50)
mysubstatal

mysublata 2 <- arrange (mystata, sesc (average))
mysublata 3 <- arrange (mystata, sesc (strikerak))

Top 4 Bottom 5 averange Batsman

head (my sublata 2) fail (my sublata 2) # motate function (to add coloun to Lataset)
my Lata <- mutate (my Lata, Performance = suns-bolls)

Different Plot of Derto Set

Histogram

hist (my sata & average, col= ('blue', 'green', 'scel'),
nlab =" Average", ylob = "Players", break = 50)

Scattered 8lot

Plat (my Lata & strike rate, col=c ('blue', 'green', 'green'),

Mlab="Players", ylab="strike rate")

Bar Plot

bærglot (mydata \$average, col= e('blve', 'green', 'red'), Wlab = "players", yleb = "Average")

Box Plot

boxplot (mysterta faverage, col=c('Blue', 'green', 'res'), Xlab = "Players", ylab" Average") Ansy-

Svannery (my Leuta)

Lim (my Leuta)

Str (my Leuta)

names (my Leuta)

Holi-squared test wodel c-chisq. test (mydata)

Houtput p-Value = 0.44628370.03 HThus 'my Lata" is highly co-related 4 we accept the NUL hypothese's.

asses , pl 1 min

H Correlation Coefficient
Con Cuy Lata & Batsman, myseter & swus)

H Dutput 0.9932470.8

This Botsman & swus is strongly Co-related to
cach other.

#

Anova test

mysoblata 4 (-aovlingdata \$ swis ~ mydata Baverage)

Houtput Pa (DF) is 0.0013 esthis value is less than 0.05 then we sieject Null hypothesis t accept the alternative hypothesis.

T- test

This gives us the T-score for the Lata set t. test (my Leuta, mu=100)

Hore p-value is 0.446283 >0.05 so we accept the Noll Hypothesis.