IARE

IARE
INSTITUTE OF AERONAUTICAL ENGINEERING
(An Autonomous Institute affiliated to JNTUH, Hyderabad)
Dundigal, Hyderabad - 500 043

LABORATORY WORK BOOK

Name of the Student : HIMAKAR C

Class CSE-B Semester VI

Roll Number									
2	1	9	5	1	A	0	5	6	5

Course Code : ACIC09 Course Name : SQAT Laboratory

Name of the Course Faculty Mr. ACHYUTHA SURESH BABU Faculty ID : IARE10996

Exercise Number : Week Number : 05 Date : 25/4/24

S. No.	Exercise Number	EXERCISE NAME	MARKS AWARDED					
			Aim/ Preparation	Algorithm / Procedure / Performance in the Lab.	Source Code / Calculations and Graphs	Program Execution / Results and Error Analysis	Viva - Voce	Total
			4	4	4	4	4	20
1	5.1	Web Application that requires	4	4	4	4	4	20
2		a username						
3	5.2	Web Application that requires						
4		a password						
5	5.3	Students who have scored more than						
6		60 in any one subject or all						
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10								
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12								

Signature of the Student

Signature of the Faculty

5-1 Web Application that requires a username

Design and develop a login form for web app that requires username using Equivalence Testing.

```
<!DOCTYPE html>
<html lang = "en">
<head> <title> Username</title> </head>
<body>
   <form>
      Enter username:
      <input id = "name" type = "text"> <br>
      <button type = "submit" onclick="fC()" return false;>
            Submit </button>
   </form> <p id = 'ok' ></p>
   <script>
      function fC() {
        var pe = document. getElement By Id ('ok')
        var c = document.getElementById('name').value
       if (c.length >= 5 && c.length <= 15) {
          var re = /^[a-zo-9]+$/
          if (re.test(c)) { pe.innerHTML += 'Valid' }
          else { pe.innerHTML += 'InValid'}
       else
       {  pe.innerHTML += 'Invalid' } }
   </script>
</body>
</html>
```

ROLL NUMBER :

Test Case - 1:

Enter username : himakar2565

Submit

Valid

Test Case - 2:

Enter username : ooKO

Submit

Invalid

ROLL NUMBER :

5.2 Web application that requires a Password

Design and develop a login form for a web application that requires a password using Equivalence class Testing

```
<!DOCTYPE html>
<html lang = "en">
<head> <title> Password </title> </head>
<body>
  <form> Enter password:
   <input id = 'pass' type = "password" > <br>
   <button type = 'submit' onclick = 'f(); return false'>
          Submit </button>
  </form> <p id = 'ok' > </p>
  <script >
      function f() {
      var pe = document.getElementById('ok')
      var c = document.getElementById('pass').value
      if (c.length >=6 && c.length <= 20) {
         var per = /^[a-zA-Z0-9]+$/
         if (per.test(c)) { pe.innerHTML += 'valid'}
         else { pe.innerHTML += 'Invalid'}
       else { pe.innerHTML += 'Invalid'}
      }
  </script>
</body>
</html>
```

Test case - 1:

Enter Password: [••••••••••]

[Submit]

Valid

Test case - 2:

Enter Password: [•••••]

[Submit]

Invalid

ROLL NUMBER :

5.3 Students who have scored more than 60 in any one subject or all subjects.

Write and test a program to select the number of students who have scored more than 60 in any subject or all subjects

```
import pandas as pd
d = pd.read_csv('OKOK.csv')
print(d)
cols = ['Maths', 'physics', 'chemistry']
s = set()
for j in cols:
    if [d[j] > 60]:
        for k in d[d[j] > 60]['Name']:
            s.add(k)
print('students having score more than 60 in any one subject or all are:')
print(s)
```

ROLL NUMBER

INPUT/OUTPUT:

	S.NO	Name	Maths	Physics	Chemistry
0	1	Himalkar	100	25	65
1	2	Bhavana	100	65	25
2	3	Ananya	100	56	52
3	4	Jyotsna	43	44	57
4	5	Haasini	50	32	33
5	6	Sai	44	53	54
6	7	Phanindra	58	27	43
7	8	Shivani	62	25	65
8	9	Varshini	60	65	65
9	10	Supriya	55	44	45

Students having score more than 60 in any one subject or all are :

{'Himalkar', 'Bhavana', 'Shivani', 'Ananya', 'Varshini'}