

United College of Engineering & Research, Prayagraj
Department of Information Technology

Web Technology Lab Assignment (KCS-652)
B. Tech Information Technology (VI-Semester)

No.	Program																									
1	Write a program in java to take input from user by using all the following methods: <ul style="list-style-type: none">• Command Line Arguments• DataInputStream Class• BufferedReader Class• Scanner Class• Console Class																									
2	Write a program in java which creates the variable size array (Jagged Array) and print all the values using loop statement. <div><table><tr><td>1</td><td></td><td></td><td></td><td></td></tr><tr><td>2</td><td>3</td><td></td><td></td><td></td></tr><tr><td>4</td><td>5</td><td>6</td><td></td><td></td></tr><tr><td>7</td><td>8</td><td>9</td><td>10</td><td></td></tr><tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td></tr></table></div>	1					2	3				4	5	6			7	8	9	10		11	12	13	14	15
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7	8	9	10																							
11	12	13	14	15																						
3	Write a program in java to implement the following types of inheritance: <ul style="list-style-type: none">• Single Inheritance• Multilevel Inheritance• Hierarchical Inheritance• Hybrid Inheritance																									
4	Create a package named “ <i>Mathematics</i> ” and add a class “ <i>Matrix</i> ” with methods to add and subtract matrices (2x2). Write a Java program importing the Mathematics package and use the classes defined in it.																									
5	Write a program in java to implement constructor chaining and constructor overloading.																									
6	“Java does not support multiple inheritance but we can achieve it by interface”. Write a program to justify the above statement.																									
7	Write a program in java to demonstrate that finally block is always executed whether exception occurred or not.																									
8	Write a program in java which creates two threads, “ <i>Even</i> ” thread and “ <i>Odd</i> ” thread and print the even no using Even Thread and odd no using Odd Thread.																									

9	Write a program in java which takes a name of a person as an input from the user implement the followings: <ul style="list-style-type: none">Find the length of the string (excluding the whitespaces).Create the abbreviation of the name (For eg. “Arun Kumar Maurya” will be displayed as “A.K.M.”).Swap the case of all input characters (For eg. “AruN KuMar MauRya” will be displayed as “aRUn kUmAR mAUrYA”)												
10	Write a HTML program to display your complete class time table.												
11	Write a HTML program to display the given list. <ul style="list-style-type: none">Fruit<ul style="list-style-type: none">BananasApples<ul style="list-style-type: none">GreenRedPearsVegetablesMeat												
12	Write a HTML program to divide your web page using frames <table><tr><td>Frame1</td><td>Frame3</td><td>Frame4</td></tr><tr><td>Contents of Frame 1</td><td>Contents of Frame 3</td><td>Contents of Frame 4</td></tr><tr><td>Frame2</td><td></td><td></td></tr><tr><td>Contents of Frame 2</td><td></td><td></td></tr></table>	Frame1	Frame3	Frame4	Contents of Frame 1	Contents of Frame 3	Contents of Frame 4	Frame2			Contents of Frame 2		
Frame1	Frame3	Frame4											
Contents of Frame 1	Contents of Frame 3	Contents of Frame 4											
Frame2													
Contents of Frame 2													
13	Write an HTML code to demonstrate the usage of inline CSS, internal CSS, external CSS and imported CSS.												
14	Write programs using Java script for Web Page to display browsers information.												
15	Write a Java script to validate Name, Mobile Number, Email Id and Password. <ul style="list-style-type: none">Name must contain alphabets and whitespace onlyMobile number must be 10 digits only.Email Id must have one “@”, and domain name is “united.ac.in” (For eg. faculty@united.ac.in)												

	<ul style="list-style-type: none"> • Password must have atleast one aplhabet, one digit and one special character (!@#\$%&*)
16	Writing program in XML for creation of DTD, which specifies set of rules. Create a style sheet in CSS/ XSL & display the document in internet explorer.
17	Write a program to implement Math server using TCP socket and also write a client program to send user input to Math server and display response as the square of the given number.
18	Write a program to illustrate CURD operations using JDBC connectivity with MySQL database.
19	<p>Write a SQL query to create and call the stored procedures with following specifications:</p> <ul style="list-style-type: none"> • Procedure without parameter and no return type • Procedure with parameter and no return type • Procedure with parameter and with return type
20	Write a program to illustrate CURD operations using JSP connectivity with MySQL database on Apache Tomcat web server.