Charotar University of Science & Technology

Subject Name: Advanced Java Programming   **Semester**: 5th Sem
Subject Code: CE376/IT371/CS376
Academic year: 2020-21

Practical List

Sr. No	Practical Aim	Hrs	LO	PO	PEO
1	Create following table using mysql and perform following task. Database: ebookshop Table: books ``` +-------+------------------------+-----------------+---------+------+ | id	title	author	price	qty
(INT)	(VARCHAR(50))	(VARCHAR(50))	(FLOAT)	(INT)| +-------+------------------------+-----------------+---------+------+ | 1001	Java for dummies	Tan Ah Teck	11.11	11
1002	More Java for dummies	Tan Ah Teck	22.22	22
1003	More Java for more dummies	Mohammad Ali	33.33	33
1004	A Cup of Java	Kumar	44.44	44
1005	A Teaspoon of Java	Kevin Jones	55.55	55 | +-------+------------------------+-----------------+---------+------+ ```	04	1	3,4	7
	a. Fetch and display records from a table using field index				
	b. Fetch and display records from a table using Result set metadata.				
	c. Display database properties using Database metadata				
	d. Using prepared statement perform insert, update and delete operations.				
	e. Perform insert, update and delete using callable statement.				
	f. Perform commit and set auto commit.				
	g. Display Scrollable Record Set				
2.	Write a Servlet which prints a greeting message on Browser.	02	2	3,4	2
3.	Write a Servlet which takes two numbers from client using HTML form and display addition of both the numbers.	02	2	3,4	2,3
4.	Write a Servlet to demonstrate the use of ServletConfig and ServletContext objects.	02	2	3,4	2,3
5.	Write a Servlet to demonstrate the difference between RequestDispatcher's forward method and sendRedirect method.	02	2	3,4	
6.	Create Login and Logout modules using Servlet and HttpSession.	05	2	3,4	
7.	Create a Filter which allows only specific set of IP addresses to access application. Allowed IP addresses to be configured in Context Parameter.	04	2	3,4	2,3
8.	Create a JSP page that display number of hits to the page.	02	2, 3	3,4	2,3
9.	Develop JSP page to demonstrate various JSP directives and actions.	04	2, 3	3,4	2,3
10.	Create a JSP page which accepts a number from user and display table of that number using core tag library.	03	2, 3	3,4	2,3

11.	Develop a JSP page that display Student information from database using SQL Tag Library.	06	2,3	3,4	2,3
12.	a. Create a custom tag as below <ct:checkLogin /> Above tab should check whether user has logged in or not and according to the status it should either redirect to login page or display the current page. b. Create a custom tag as below. <ct:cube var="${xyz}" result="res"/> Above tag should calculate the cube of "xyz" and store result in "res" variable. 44	04	2,3	3,4	2,3
13.	Write a code to demonstrate the use of Inheritance/Collection Mapping using Hibernate Framework.	06	3,4	4,5,10	3
14.	Write a code to demonstrate the use of Dependency Injection using Spring Framework	06	3,4	4,5,10	3
15.	Implement Project using java MVC frameworks (Java Lite, Vaadin, JSF).				