

SAVEETHA SCHOOL OF ENGINEERING SIMATS, CHENNAI



Course Code /Title: CSA4399 - Internet Programming
Programme: Computer Science and Englanding Programme : Computer Science and Eng

	Engineering CNS			
S.No	ASSIGN	Marks	со	BTL
1	From a developer's perspective, discuss why JDBC is essential in building database-driven applications, How to achieve JDBC CONNECTION pooling using JDBC Data Source and JNDI in Apache Tomcat Server. Provide examples of executing SQL queries using JDBC statements. Discuss the differences between Statement, Prepared Statement, and Callable Statement.	20	CO5	3
2	Describe the lifecycle phases of a JSP page. Explain the significance of each phase in the JSP execution process. Discuss the different ways to embed Java code within a JSP page with examples. Explain the advantages and disadvantages of using scriptlets, declarations, and expressions in JSP.	20	CO4	2
f v a H h tt	You need to develop a PHP program that generates a chessboard using HTML tables. The table should have a total width of 400px, and each cell should have a height and width of 30px. The chessboard should alternate colors between black and white for each cell to represent a typical chessboard layout. How would you write a PHP program using nested for loops to create a chessboard? The chessboard should be displayed using an 4TML table with a total width of 400px, and each cell should have a height and width of 30px. Explain how you would use the nested for loops to alternate the cell colors and ensure the thessboard pattern is correctly displayed, Provide the code for his program	20	co	4 2
te: su the file nee and	ou are developing a PHP application that reads content from a set file and uses regular expressions to extract specific patterns ch as email addresses and phone numbers. After extracting the data, the application should store the results in a new XM of the following a defined schema for the data. Additionally, you do to compare and contrast DTD (Document Type Definition of XML Schema for defining the XML structure. How would create a PHP application that reads content from a text file uses regular expressions to extract specific patterns (e.g.)	s, g L vu 20 n) ld	Co	05 2



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email addresses and phone numbers)? After extracting the data, store the results in a new XML file following a defined schema for the data. Additionally, compare and contrast DTD and XML Schema for defining XML structure. Describe the steps and

provide the code for the application.

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Called Statement
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