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Program 3(c)	Create simple Servlet application to demonstrate Non-Blocking Read Operation.	P-58
<b>Practical 4</b>	<b>Implement the following JSP applications.</b>	<b>P-62</b>
Program 4(a)	Develop a simple JSP application to display values obtained from the use of intrinsic objects of various types.	P-62
Program 4(b)	Develop a simple JSP application to pass values from one page to another with validations. (Name-txt, age-txt, hobbies-checkbox, email-txt, gender-radio button).	P-63
Program 4(c)	Create a registration and login JSP application to register and authenticate the user based on username and password using JDBC.	P-66
<b>Practical 5</b>	<b>Implement the following JSP JSTL and EL Applications.</b>	<b>P-71</b>
Program 5(a)	Create an html page with fields, eno, name, age, desg, salary. Now on submit this data to a JSP page which will update the employee table of database with matching eno.	P-71

Statement	Name of the Program	Page Nos.
Program 5(b)	Create a JSP page to demonstrate the use of Expression language.	P-74
Program 5(c)	Create a JSP application to demonstrate the use of JSTL.	P-75
<b>Practical 6</b>	<b>Implement the following EJB Applications.</b>	<b>L-81</b>
Program 6(a)	Create a Currency Converter application using EJB.	L-81
Program 6(b)	Develop a Simple Room Reservation System Application Using EJB.	L-82
Program 6(c)	Develop simple shopping cart application using EJB [Stateful Session Bean].	L-90
<b>Practical 7</b>	<b>Implement the following EJB applications with different types of Beans.</b>	<b>L-95</b>
Program 7(a)	Develop simple EJB application to demonstrate Servlet Hit count using Singleton Session Beans.	L-95
Program 7(b)	Develop simple visitor Statistics application using Message Driven Bean [Stateless Session Bean].	L-97
Program 7(c)	Develop simple Marks Entry Application to demonstrate accessing Database using EJB.	L-98
<b>Practical 8</b>	<b>Implement the following JPA applications.</b>	<b>L-104</b>
Program 8(a)	Develop a simple Inventory Application Using JPA.	L-104
Program 8(b)	Develop a Guestbook Application Using JPA.	L-109
Program 8(c)	Create simple JPA application to store and retrieve Book details.	L-115
<b>Practical 9</b>	<b>Implement the following JPA applications with ORM and Hibernate.</b>	<b>L-119</b>
Program 9(a)	Develop a JPA Application to demonstrate use of ORM associations.	L-119
Program 9(b)	Develop a Hibernate application to store Feedback of Website Visitor in MySQL Database.	L-123
Program 9(c)	Develop a Hibernate application to store and retrieve employee details in MySQL Database.	L-127
<b>Practical 10</b>	<b>Implement the following Hibernate applications.</b>	<b>L-128</b>
Program 10(a)	Develop an application to demonstrate Hibernate One- To -One Mapping Using Annotation.	L-128
Program 10 (b)	Develop Hibernate application to enter and retrieve course details with ORM Mapping.	L-133
Program 10 (c)	Develop a five page web application site using any two or three Java EE Technologies.	L-139