Sr No.	Problem Statement	Roll no.
1	Create an Inventory table with fields Product id,name,cost Use arraylist to store inventory object.Display the records as per the Product id requested.Use RESTful services	07,17
2	Create a spring core application adder class (adds two integers), create a calculator class that uses adder class. (Use appropriate dependency injection)	1,30
3	Create table students (roll no,name,age). Use spring jdbc to insert 3 records in the student table. Delete one record from the table using same Concept.	12,13
4	Create table sports (id, name, type, no of players). Use spring jdbc to insert 3 records in the sports table. Delete one record from the table using same Concept.Make use of PreparedStatement in Spring JdbcTemplate for the the given problem statement	5,25
5	Create an Employee table with fields emp id,name,age ,salary Use arraylist to store employee object.Display the records as per the emp id requested.Use RESTful services	2,3
6	Design a Course registration form for students using JSP Scripting Element and JSP Directive. Once form submitted display all details on web page.Make necessary assumption	21,28
7	Create Simple Login form in React	42, 44
8	Create a placement class with attribute Studentname,age,cgpa create an exception check if cgpa is less than 8 throw exception. Create an aspect not eligible with a method if the placement class throws exception the not eligible aspect method will run	57,61
9	Write a JSP page to display the Registration form of the employee enrolling for training(Make necessary assumption) and insert details into the database connectivity table.	49,51
10	Build Search filter in React	29
11	Create table spectator (id, name, date), insert 5 records in spectator from backend. Use spring jdbc concept to display all 5 records.Demonstrate RowMapper interface to fetch the records from the database	39, 52
12	Create book class and magazine, create an aspect page with a pagecount() function. Whenever the details of the book and magazine are printed the page count of the book needs to be printed after the book/ magazine details.	32 , 60
13	Create a table movie (movie name, genre, movie id). Insert 5 records from the backend. Use spring jdbc concept to display movie names with genre "Thriller"	11,24
14	Create a table cricketer (name, runs, best score), insert 5 records from the backend.Perform delete update operation on same. Use spring jdbc concept to display all 5 records.Make use of Row mapper interface	59,54

15	Create a Shopping cart which will have task of adding,removing,deleting, resetting products which reflects in the total number of products into our shopping cart using Reactjs	15,31
16	Build an application to compress the image using reactjs.	8, 10
17	Build tic-tac-toe using reactjs	16,20,18
18	Create table Furniture (furniture id, furniture name, price, type). Insert 5 records from the backend. Use spring jdbc concept to display furniture of price greater than 2000	58,37
19	Build Accordion in React	14,19
20	Create an Policy table with fields Policy id,Policy holder name, date of maturity Use arraylist to store policy object.Display the records as per the policy id requested.Use RESTful services	35, 56
21	Image Slider using React JS	45, 50
22	In order to create a login application, use Spring Boot MVC. When the user enters the username as 'user@programmingempire.com' and the password as 'programmingempire@abcd123', the control should transfer tothe page HomePage.jsp. Otherwise, the control should transfer to the ErrorPage.jsp.	46, 48
23	Retry mechanism with AOP (Distributed systems can experience concurrency issues. One such example would be when two web service instances are simultaneously trying to access the same record in a database. Oftentimes, such a lock problem can be resolved by retrying the operation. The only requirement here is that the operation is idempotent. Let's go ahead and create an Aspect which transparently retries an operation until it succeeds:)	36,47
24	Write a RESTful API endpoint to retrieve a list of all people with a particular surname.Pay particular attention to what should be returned when there are no match, one match, multiple matches	34,38
25	Serialize And Deserialize ArrayList In Java	22, 27
26	Demonstrate the use of Dependency Injection and auto-wired with Spring Boot. For this purpose, create an application involving the three classes – RegularFaculty, Visitingfaculty, and AdhocFaculty. Also, create a class faculty that serves as the superclass of these three classes.	40,33
27	Log REST calls with a custom Aspect .(goal is to create a log message every time	23, 26

	some REST method gets called. Since we might wanna add this functionality to future REST methods too, we want to generalize this task in an Aspect)	
28	Write a RESTful API endpoint to update ONLY the first name (partial update) .Pay attention to what information is supplied to the calling client	4,9
29	Performance monitoring with AOP (goal is to monitor the execution time of any REST call)	62, 53, 55
30	Write a RESTful API endpoint to add a new value to the list pay attention to what should be returned when the record already exists	