

INDEX

Sr.No	Experiment Title	Signature
1	Write a java program to demonstrate Generic Class.	
2	Write a java program to demonstrate Generic Methods.	
3	Write a program to demonstrate the concept of Wildcards (UNBOUND, UPPERBOUND, LOWERBOUND) 3.1 Implementation of UNBOUND Wildcards. 3.2 Implementation of UPPERBOUND Wildcards. 3.3 Implementation of LOWERBOUND Wildcards.	
4	4.1 Write a Java program to create List and demonstrate all operation of List: a. Add element. b. appending list elements. c. clear / empty the list. d. size of list. e. Updating elements in a List using set. f. Extracting a portion of a list. g. Removing elements from a List. h. Searching for an element in a list. i. Sorting a list. j. Copying elements from one list into another. k. Shuffling elements in a list. l. Reversing elements in a list. 4.2 Write a Java program to create List containing list of items and use List Iterator interface to print items present in the list.	
5	Write a Java program using Set interface containing list of items and perform the following operations: a. Add items in the set. b. Insert items of one set in to other set. c. Remove items from the set. d. Search the specified item in the set. e. Get total number of elements in a Set. f. Check if a Set is empty. g. Subset operation. h. Union operation. i. Intersection operation.	
6	Write a Java program using Map interface containing list of items having keys and associated values and perform the following operations: a. Add items in the map. b. Remove items from the map c. Search specific key from the map d. Get value of the specified key e. Insert map elements of one map in to other map. f. Print all keys and values of the map.	
7	7.1 Write java program to using lambda expressions to print "Hello world" 7.2 Write a java program using lambda expression with single parameter. 7.3 Write a java program to perform basic mathematical operations (using lambda expressions with multiple parameters)	

	<p>7.4 Write a program to using lambda expressions to calculate the following things</p> <p>a. Conversion of Fahrenheit to Celsius.</p> <p>b. Conversion to KM to miles.</p> <p>7.5 Write a java program to demonstrate lambda expression with or without return keyword.</p>	
8	<p>8.1 Write a JSP program that demonstrate the use of JSP declaration, scriptlet, directives, expressions, header and footer (include directive).</p> <p>8.2 Write a JSP program to collect marks of student and declare the result with aggregate percentage (make your own assumption).</p>	
9	<p>WAP to Insert records in Student Master.</p> <p>9.1 Insert record.</p> <p>9.2 WAP to Delete records in Student Master.</p> <p>9.3 Write a program to create registration form[JSP to Database]</p>	
10	<p>10.1 Write a program to display name and age of employee using beans – ApplicationContext Program.</p> <p>10.2 Write a program to display name and age of employee using beans – BeanFactory Program</p> <p>10.3 Write a program to demonstrate dependency injection via Constructor for primitive values. (Bank Application) (CONFIUGRE FILE-> CONSTRUCTOR ARG)</p> <p>10.4 Write a program to demonstrate dependency injection via Constructor for dependent object/Reference Type. (Employee Application)</p> <p>10.5 Write a program to demonstrate dependency injection via setter method for dependent object/reference type (Shape Application).</p>	
11	<p>11.1 Write a program to demonstrate Spring AOP – before advice.</p> <p>11.2 Write a program to demonstrate Spring AOP – after advice.</p> <p>11.3 Write a program to demonstrate Spring AOP – after returning advice.</p> <p>11.4 Write a program to demonstrate Spring AOP – around advice.</p> <p>11.5 Write a program to demonstrate Spring AOP – After Throwing advice.</p>	
12	<p>12.1 Write a program to demonstrate Spring JdbcTemplate class to store data in database table.</p> <p>12.2 Write a program to demonstrate RowMapper interface to fetch the records from the database.</p>	
13	Write a procedure to demonstrate Spring Boot concept.	
14	Write a program to demonstrate RESTful web services API.	