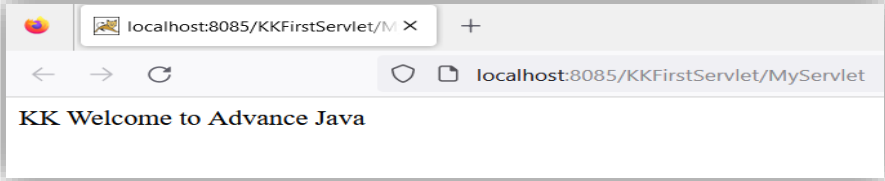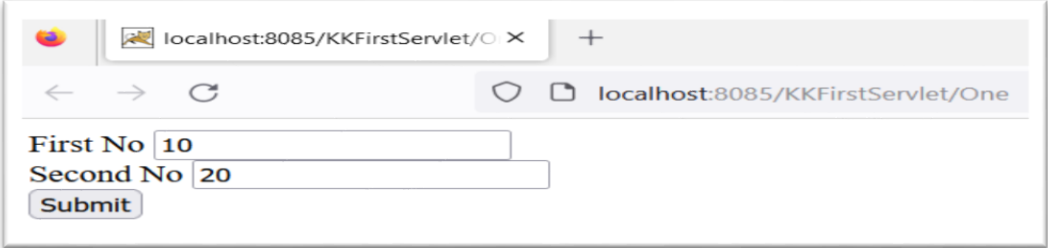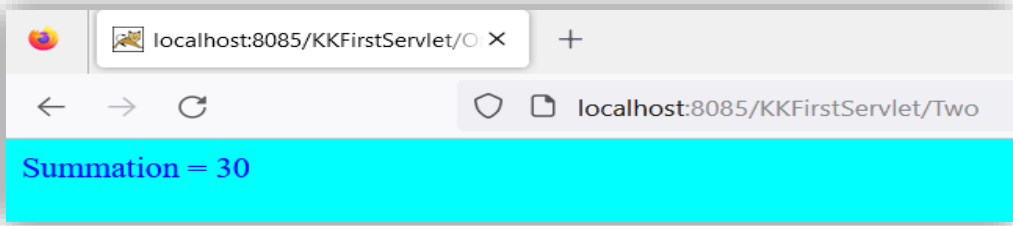# Smt.Chandaben Mohanbhai Patel Institute of Computer Applications, CHARUSAT, Changa

Master of Computer Application(MCA)-Semester -I
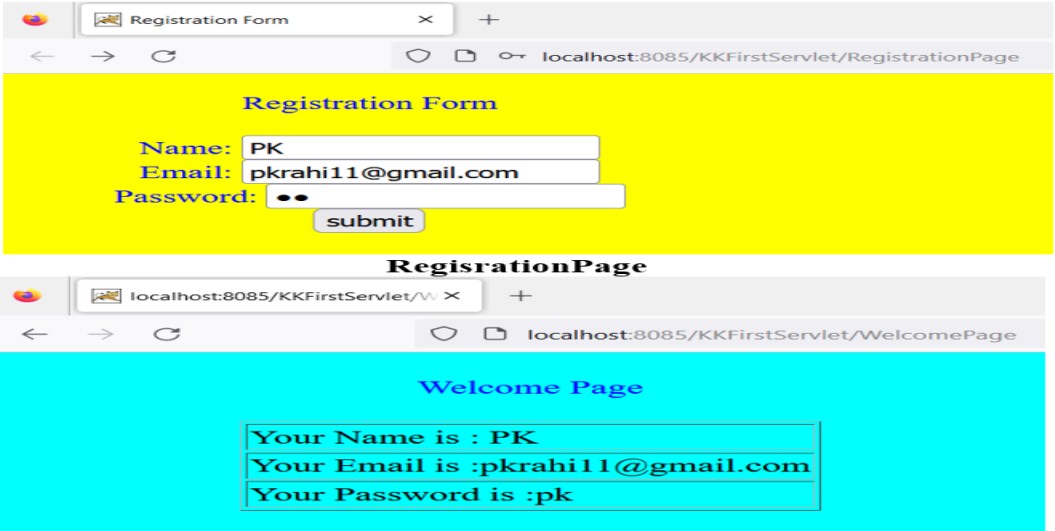### (Academic Year – 2024-25)

CAUC-506: Enterprise Computing Using Java
Lab Work- 4 (Servlets)

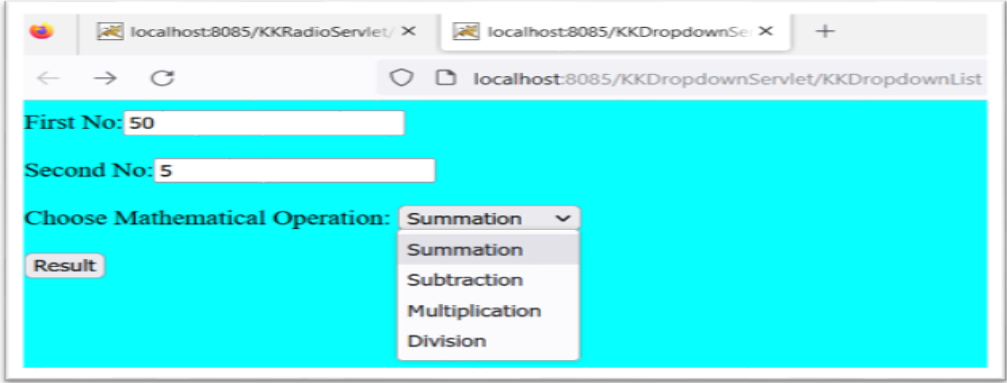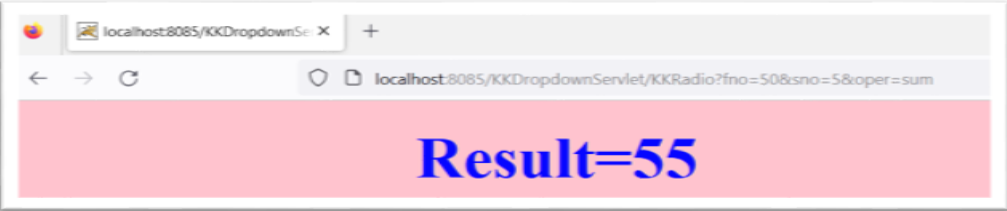|	
Q1.	Write a Java Code to implement MVC using Core Java concepts.
Q2.	Installation of Tomcat 10 and its Configuration
Q3.	Write a Servlet code to create Hello World Program in Servlet.
Q4.	Write a Servlet code to take input from the Form and perform addition of two numbers and display the result on the next page of the application.
Q5.	Write a Servlet code to demonstrate the ways of creating Servlets:
Q6.	Write a Servlet code to implement Servlet Life Cycle.
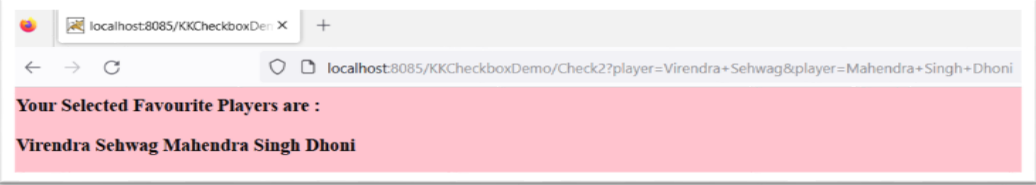
Master of Computer Application(MCA)-Semester -I
(Academic Year – 2024-25)

CAUC-506: Enterprise Computing Using Java
Lab Work- 4 (Servlets)

Q7.	Write a Servlet code to create Registration Page having a form which will accept Name, Email and Password of the user and a submit button. Once We click on Submit button, the form will redirect to Welcome Page and carry the values of the Registration Page. The user information will be displayed in tabular format in the Welcome Page.
Q8.	Write a servlet code to demonstrate use of Radio for Single Selection to perform mathematical operation.
Q9.	Write a Servlet application to demonstrate the use of Single Selection by dropdown list using select

Q10.	Write a Servlet application to demonstrate the use of Multiple selections using Checkbox
11.	Write a Servlet application to pass parameter from Web.xml to Servlet using ServletConfig Interface.
Q12.	Write a Servlet application to pass multiple parameter from Wb.xml to Servlet using ServletConfig Interface.
Q13.	Write a Servlet application to pass parameter from Web.xml to Servlet using ServletContext Interface.
Q14.	Write a Servlet application to pass multiple parameter from Wb.xml to Servlet using ServletContext Interface.

Smt.Chandaben Mohanbhai Patel Institute of Computer Applications, CHARUSAT, Changa

Master of Computer Application(MCA)-Semester -I
(Academic Year – 2024-25)

CAUC-506: Enterprise Computing Using Java
Lab Work- 5 (Servlets)

Q1.	Write a Servlet application to demonstrate RequestDispatcher for Navigation from one Servlet to another, also implement sendRedirect() method of Response.
Q2.	Write a Servlet application to demonstrate to demonstrate the use of Filters for preprocessing of request and response.
Q3.	Write a Servlet application to demonstrate Authentication Using Filters through FilterConfig Interface.

Q4.	Write a servlet application to Handle session using Session Tracking Techniques
	   1. Hidden Form Fields
	   2. URLRewriting
	   3. Session
	   4. Cookoies

Q5.	Write a CRUD application to create Login page which accept username & password from the user then compare the credentials of user from Database, if the credentials are valid then redirect to List page otherwise control should be on the Login Page. On the List page handle create, insert, update and delete operation on Student Table and display the details on List page using Servlet.
Q6.	Create Table Book(id,name,price). Write a Servlet application to insert data of Book i.e. is, name, price and display in tabular form. Create a hyperlink to purchase book asking quantity of book and display proper bill based on quantity entered by the user.
Q7.	Create Table Student(Id, Name, Marks1, Marks2, Marks 3). Write Servlet/JSP application to insert data and display all data. Also, in display each record contains link to calculate total and percentage of particular student.