

BSc (ECS)-III
Assignment no:-1
(Advanced JAVA)

- 1) Write a java socket programming in which client sends a text and server receives it.
- 2) Write a program to demonstrate URL class.
- 3) Write a program to demonstrate InetAddress class.
- 4) Write a program to demonstrate use of Datagram Socket.
- 5) Write a program to create simple applet which displays “ Hello “
- 6) Write a program to create parameterized applet.
- 7) Write a program to create applet that uses getDocument Base() or getCodeBase() method.
- 8) Write a program to handle keyboard events.
- 9) Write a program to handle mouse events.
- 10) Write a program to demonstrate use of any one Adapter class.
- 11) Write a program to demonstrate use of anonymous inner class.
- 12) Write a program to demonstrate use of text event.
- 13) Design a form for simple arithmetic calculations (Use Swing components).
- 14) Design a form for calculating simple and compound interest (Use Swing components)
- 15) Write the following program using Swing component.
An Election is conducted between 3 candidates. There are N number of voters. By clicking Next Voter Button textboxes and Radio Buttons need to be cleared. By clicking Results, the votes obtained by each candidate and the winner candidate to be displayed in text area. Exit button should exit program.

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Assignment no:-2
(Advanced JAVA)

- 1) Write a simple JDBC program which will retrieve a data from Database
- 2) Write a JDBC program which demonstrates the use of Prepared Statement
- 3) Write a JDBC program which demonstrates the use of Prepared Statement to enter 10 records in student table.
- 4) Write a JDBC program which demonstrates the use of Callable Statement
- 5) Write a JDBC program that will call stored procedure.
- 6) Write a JDBC program that will call stored function.
- 7) Write a JDBC program that will use Scrollable Result set to retrieve data from the database
- 8) Design GUP form that will take employee information from the user like (eid, name, DOB, contact no) .Perform the operations like insert, delete, update, search with the Database.

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Assignment no:-3
(Advanced JAVA)

- 1) Write a simple servlet that prints "Hello"
- 2) Write a program to create servlet with doPost()
- 3) Write a program to create servlet with doGet()
- 4) Write a Servlet program to check that life cycle methods are called by web container
- 5) Write a program to create Cookie and use a cookie .
- 6) Write a program to create servlet to demonstrate session tracking with HttpSession interface.
- 7) Write a program to create Servlet to demonstrate Login and Logout using HttpSession interface.
- 8) Write a program to create servlet for session management using Hidden Form Field.
- 9) Write a program to create servlet for session management using URL Rewriting
- 10) Write a program to demonstrate simple use of Filter.
- 11) Write a simple program of authenticating user using filter.
- 12) Write a simple program to demonstrate the use of request dispatcher
- 13) Write a simple program to demonstrate the use of Send Redirect.

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Assignment no:-4
(Advanced JAVA)

- 1) Create and deploy simple JSP page.
- 2) Write a JSP program to count number of visitors.
- 3) Write a program to demonstrate simple use of 3 JSP page directives.
- 4) Write a program for communication between HTML & JSP.
- 5) Write a program to demonstrate simple use of scriptlet tag, expression tag, declaration tag separately.
- 6) Write a program to demonstrate use of at least 3 JSP Implicit Objects
- 7) Write a program to demonstrate expression handling in JSP by the elements of page directive.
- 8) Write a program to demonstrate simple use of at least 3 JSP Action Tags.
- 9) Write a program to demonstrate Simple example of java bean class
- 10) Write a program to demonstrate use of JSTL.
- 11) Write a program to demonstrate create and use of custom tag.