B.Voc. (II Semester) Software Development

Paper- SDL-405/ Advance Java Programming Lab

Lab Work Questions

UNIT-I

1. Write a Java program to show “hallow java” program through the all three-programming version of java.

2. Write a Java program to demonstrate different types of variable declaration.

3. Write a Java program to demonstrate string declaration through String class and its methods.

4. Write a Java program to demonstrate string declaration through StringBuffer class and its methods.

5. Write a Java program to demonstrate initialization and accession of one-dimension array.

6. Write a Java program to demonstrate initialization and accession of two-dimension array.

7. Write a Java program to demonstrate if statement.

8. Write a Java program to demonstrate if.else statement.

9. Write a Java program to demonstrate else if ladder statement.

10. Write a Java program to demonstrate switch case statement.

11. Write a Java program to demonstrate for statement.

12. Write a Java program to demonstrate while statement.

13. Write a Java program to demonstrate do while statement.

14. Write a Java program to demonstrate garbage collection (gc) and finalize method.

15. Write a Java program to demonstrate class and object nature.

16. Write a Java program to demonstrate data initialization through default constructor.

17. Write a Java program to demonstrate data initialization through parameterized constructor.

18. Write a Java program to demonstrate data initialization through function.

19. Write a Java program to demonstrate data initialization through object.

20. Write a Java program to demonstrate data initialization through argument with the help of object and function.

21. Write a Java program to demonstrate function with argument and return value.

22. Write a Java program to demonstrate function without argument and return value.

23. Write a Java program to demonstrate function with argument and no return value.

24. Write a Java program to demonstrate this keyword.

25. Write a Java program to demonstrate super keyword.B.Voc. (IV Semester) Software Development

26. Write a Java program to demonstrate single inheritance.

27. Write a Java program to demonstrate multilevel inheritance.

28. Write a Java program to demonstrate data initialization in single inheritance using constructor.

29. Write a Java program to demonstrate data initialization in multilevel inheritance using constructor.

30. Write a Java program to demonstrate dynamic method dispatching.

31. Write a Java program to demonstrate to handle method overriding by super keyword.

32. Write a Java program to demonstrate to handle method overriding through abstract function.

33. Write a Java program to demonstrate to handle method overriding through interface function.

34. Write a Java program to demonstrate multiple inheritance through interface.

35. Write a Java program to demonstrate dynamic dispatching through interface.

36. Write a Java program to demonstrate a develop user defined packages.

37. Write a Java program to demonstrate to show role of access specifier in user defined packages.

UNIT-II

38. Write a Java program to demonstrate to try and catch block for null pointer exception.

39. Write a Java program to demonstrate to try and catch block for number exception.

40. Write a Java program to demonstrate to try and multiple catch block for arithmetic and array out of bound exception.

41. Write a Java program to demonstrate finally block.B.Voc. (IV Semester) Software Development

42. Write a Java program to demonstrate throw keyword.

43. Write a Java program to demonstrate throws keyword.

44. Write a Java program to demonstrate constructing a user defined thread through Thread class.

45. Write a Java program to demonstrate constructing a user defined thread through runnable interface.

46. Write a Java program to demonstrate getName, setName and getId thread functions.

47. Write a Java program to demonstrate getPriority and setPriority thread functions.

48. Write a Java program to demonstrate isAlive and join thread functions.

49. Write a Java program to demonstrate suspend, resume and stop thread functions.

50. Write a Java program to demonstrate wait, notify and notifyall thread functions.

UNIT-III

51. Write a Java program to demonstrate FileInputStream and FileOutputStream class and its function.

52. Write a Java program to demonstrate FileReader and FileWritter class and its function.

53. Write a Java program to demonstrate File class and its function.

54. Write a Java program to demonstrate INetAddress class and its functions.

55. Write a Java program to demonstrate Socket class and its functions.

56. Write a Java program to demonstrate URLConnection class and its functions.

57. Write a Java program to demonstrate URL class and its functions.

58. Write a Java program to demonstrate client and server communication through datagram (UDP).

59. Write a Java program to demonstrate client and server communication through socket (TCP).

UNIT-V

60. Write a Java program to demonstrate JDBC connectivity through insertion database operation.

61. Write a Java program to demonstrate JDBC connectivity through static deletion.

62. Write a Java program to demonstrate JDBC connectivity through static updating.

63. Write a Java program to demonstrate JDBC connectivity through static selection.

64. Write a Java program to demonstrate JDBC connectivity through dynamic deletion.

65. Write a Java program to demonstrate JDBC connectivity through dynamic updating.

66. Write a Java program to demonstrate JDBC connectivity through dynamic selection.

67. Write a Java program to demonstrate JDBC connectivity through dynamic insertion.

68. Write a Java program to demonstrate user define class and constructor approach for awt implementation.

69. Write a Java program to demonstrate servlet deployment and show request and response operations.

UNIT-IV

70. Write a Java program to demonstrate main class approach for awt implementation.

71. Write a Java program to demonstrate main class approach using frame class implementation for awt implementation.

72. Write a Java program to demonstrate user define class and constructor approach frame class implementation for awt implementation.

73. Write a Java program to demonstrate user define class and constructor approach for swing implementation.

74. Write a Java program to demonstrate main class approach for swing implementation.

75. Write a Java program to demonstrate main class approach using jframe class implementation for swing implementation.

76. Write a Java program to demonstrate user define class and constructor approach jframe class implementation for swing implementation.

77. Write a Java program to demonstrate event driven approach using awt component.

78. Write a Java program to demonstrate event driven approach using swing component.

79. Write a Java program to design login window using swing component.

80. Write a Java program to design login window using awt component.