

ANURAG ENGINEERING COLLEGE

(An Autonomous Institution)

II Year B. Tech. CSE - II Sem

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(CS407PC) JAVA PROGRAMMING LAB

Prerequisites:

- 1 Data structures and a parallel course on java programming

Co-Requisite

- 2 A course on java programming

Week 1:

- 1) Write a program to illustrate class and objects (Banking operations)
- 2) Write a program to illustrate arrays.

Week 2:

- 3) Write a program to illustrate constructors? (Inventory of Books).
- 4) Write a program using static data members and this keyword?
- 5) Write a program to illustrate Method overloading & constructor overloading.

Week 3:

- 6) Write a program to practice using String class and its methods.
- 7) Write a program to illustrate inheritance (Student Evaluation)

Week 4:

- 8) Write a program for abstract class to find areas of different shapes (polymorphism)
- 9) Write a program to illustrate Method Overriding & super keyword.

Week 5:

- 10) Write a program to illustrate the use of creation of packages
- 11) Write a program to demonstrate use of implementing interfaces.
- 12) Write a program to illustrate streams.

Week 6:

- 13) Write a program that describes exception handling mechanism.
- 14) Write a program for creation of User Defined Exception.
- 15) Write a program to illustrate String Tokenizer?

Week 7:

- 16 & 17) Write a program that creates threads by extending Thread class. First thread display "Good Morning" every 1 sec, the second thread displays "Hello" every 2 seconds and the third display "Welcome" every 3 seconds. (Repeat the same by implementing Runnable)
- 18) Write a program to illustrate Synchronization?

Week 8:

- 19 & 20) write a program to illustrate Event Handling (keyboard, Mouse events).

Week 9:

- 21) Write following programs using Graphics class.
 - a) To display basic shapes and fill them.
 - b) Draw different items using basic shapes.

c) Set background and foreground colors.

Week 10:

22) Write a program to illustrate applet concept.

23) Write a program to illustrate text components.

Week 11:

24) Write a program to develop a calculator application using swings

Week 12:

25) Write a program to illustrate JDBC.

CO-PO Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO7	PO8	PO 9	PO 10	PO 11	PO 12
CO 1	✓				✓							
CO 2	✓		✓	✓	✓							
CO 3	✓		✓		✓							
CO 4	✓		✓	✓	✓							
CO 5	✓		✓	✓	✓							