II Year II Sem	JAVA PROGRAMMING LAB	L	T	P	C
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Course code :24BC4SE4

Course Objectives:

The aim of this course is to

- Practice object-oriented programming in the Java programming language
- implement Classes, Objects, Methods, Inheritance, Exception, Runtime Polymorphism, User defined Exception handling mechanism
- Illustrate inheritance ,Exception handling mechanism, JDBC connectivity
- Construct Threads ,Event Handling, implement packages

Sample Experiments:

Exercise–1:
a) Write a JAVA program to display default value of all primitive data type of JAVA
b) Write a java program that display the roots of a quadratic equation $ax^2+bx =0$. Calculate the discriminate D and basing on value of D, describe the nature of root.

Exercise-2
a) Write a JAVA program to search for an element in a given list of elements using binary search mechanism.
b) Write a JAVA program to sort for an element in a given list of elements using bubble sort
c) Write a JAVA program using String Buffer to delete, remove character.

Exercise-3
a) Write a JAVA program to implement class mechanism .Create a class, methods and invoke them inside main method.
b) Write a JAVA program implements method over loading.
c) Write a JAVA program to implement constructor.
d) Write a JAVA program to implement constructor overloading.

Exercise-4
a) Write a JAVA program to implement Single Inheritance
b) Write a JAVA program to implement multi-level Inheritance
c) Write a JAVA program for abstract class to find areas of different shapes

University Nominee Dr. Suneetha Eluri		Alumni Member Mr. Hari Suresh Polisetti	
Subject Expert : 1 Dr. B Kezia Rani		Chairman Mr. A V S M Ganesh	
Subject Expert : 2 Dr. Suneel Kumar Duvvuri		Member Mr. G L N V S Kumar	
Representative From Industry Mr. Sai Krishna Narima		Member	

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Exercise-5

a) Write a JAVA program give example for" super" keyword.
b) Write a JAVA program to implement Interface.

Write a JAVA program that implements Run time polymorphismExercise-6

a) Write a JAVA program that describes exception handling mechanism
b) Write a JAVA program Illustrating Multiple catch clauses

- Write a JAVA program for creation of Java Built-in Exceptions
- Write a JAVA program for creation of User Defined Exception

Exercise-7

a) Write a JAVA 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)
b) Write a program illustrating **is Alive** and **join ()**
c) Write a JAVA program that import and use the user defined packages

Exercise–8

a) Write a java program that connects to a data base using JDBC
b) Write a java program to connect to a database using JDBC and insert values into it and delete values from it

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