

1st

Introduction to programming language

2nd

Types of programming languages

3rd

object oriented programming

4th

OOPS concepts & terminology

5th

1st

Benefits & Application of OOPS

2nd

What is Java?

3rd

Execution model of Java

4th

Introduction with JVM

5th

1st

A first Java program,

2nd

idea about variables & data types  
& declarations

3rd

Concept of literals & types

4th

Arrays & types of datatypes

5th

1st	casting x type casting and widening x narrowing conversion
2nd	operators x expressions
3rd	Control Flow statements
4th	concept x syntax of class x Defining a class
5th	
1st	concept x syntax of methods Defining methods
2nd	creating an object, accessing class members
3rd	instance data x class data
4th	Constructors
5th	
1st	Access specifiers
2nd	Access modifiers
3rd	Access control
4th	String builder x string buffer using Java objects
5th	Methods using Java objects

K	Class Day	Theory Topics
	1st	Messages using Java objects
	2nd	Parameter passing
	3rd	Comparing the Java objects
	4th	Identifying the Java objects
	5th	
	1st	Inheritance in Java
	2nd	Use of inheritance
	3rd	Types of inheritance
	4th	Single inheritance
	5th	
	1st	Multilevel inheritance
	2nd	Hierarchical inheritance
	3rd	Hybrid inheritance
	4th	Overall discussion of inheritance
	5th	

Class Day	Theory Topics
1st	Basic concept of polymorphism
2nd	Types of polymorphism
3rd	Method overloading
4th	Run time polymorphism & examples
5th	
1st	Method overriding
2nd	Compile time polymorphism
3rd	Advantages of method overriding
4th	Constructors overloading
5th	
1st	Introduction to packages
2nd	Built-in package
3rd	User defined packages
4th	Creating packages & access package
5th	

Class Day	Theory Topics
1st	using & adding a class to package then hiding classes, static import
2nd	What is a stream?
3rd	Reading & writing to files
4th	input & output stream
5th	*
1st	Manipulating input data
2nd	opening & closing streams, predefined streams
3rd	File handling classes & methods
4th	Exceptions overview, exception keywords
5th	
1st	Catching exceptions, exception methods
2nd	Declaring exceptions
3rd	Defining and throwing exception
4th	Errors & Runtime exception
5th	