



# **COLLATE**

**JAVA**  
**Videos &**  
**References**  
**Unit 3-4**

# Syllabus

## UNIT – III

Threads: Creating Threads, Thread Priority, Blocked States, Extending Thread Class, Runnable Interface, Starting Threads, Thread Synchronization, Synchronize Threads, Sync Code Block, Overriding Synced Methods, Thread Communication, wait, notify and notify all.  
AWT Components, Component Class, Container Class, Layout Manager Interface Default Layouts, Insets and Dimensions, Border Layout, Flow Layout, Grid Layout, Card Layout Grid Bag Layout AWT Events, Event Models, Listeners, Class Listener, Adapters, Action Event Methods Focus Event Key Event, Mouse Events, Window Event

## UNIT – IV

Input/Output Stream, Stream Filters, Buffered Streams, Data input and Output Stream, Print Stream Random Access File, JDBC (Database connectivity with MS-Access, Oracle, MS-SQL Server), Object serialization, Sockets, development of client Server applications, design of multithreaded server. Remote Method invocation, Java Native interfaces, Development of a JNI based application. Collection API Interfaces, Vector, stack, Hashtable classes, enumerations, set, List, Map, Iterators.

# Unit 3

Threads	Ref	
Thread priority	Ref	
Blocked states	Ref	
Thread class and runnable interface	Ref	
Starting threads	Ref	
Synchronization	Ref	
Sync code block	Ref	
Overriding synced method	Ref 1	Ref 2
Thread communication(wait, notify,notifyAll))	Ref 1	Ref 2
Awt components	Ref	
Component class	Ref	
Container class	Ref	
Layout manager	Ref	
Insets	Ref	
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Border layout	<a href="#">Ref</a>
Flow layout	<a href="#">Ref</a>
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Card layout	<a href="#">Ref</a>
Gridbaglayout	<a href="#">Ref</a>
Event	<a href="#">Ref</a>
Event model	<a href="#">Ref</a>
Listeners	<a href="#">Ref</a>
Adapter	<a href="#">Ref</a>
Action event	<a href="#">Ref</a>
Focus event	<a href="#">Ref</a>
Key event	<a href="#">Ref</a>
Mouse events	<a href="#">Ref</a>
Window events	<a href="#">Ref</a>

Separate links for videos have not  
been provided you can find the full playlist here



Full Playlist

# Unit 4

I/O Stream	<a href="#">Ref</a>
Stream filters	<a href="#">Ref</a>
Buffered stream	<a href="#">Ref</a>
Data input and output stream	<a href="#">Ref</a>
Print stream	<a href="#">Ref</a>
Random access file	<a href="#">Ref</a>
JDBC	<a href="#">Ref</a>
Object serialization	<a href="#">Ref</a>
Sockets, development of client server application	<a href="#">Ref</a>
Design of multithreaded server	<a href="#">Ref</a>
RMI	<a href="#">Ref</a>
JNI	<a href="#">Ref</a>
Development of jni based application	<a href="#">Ref</a>
Collection	<a href="#">Ref</a>
Vector	<a href="#">Ref</a>

Hashtable class	Ref
Enumeration	Ref
Set	Ref
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