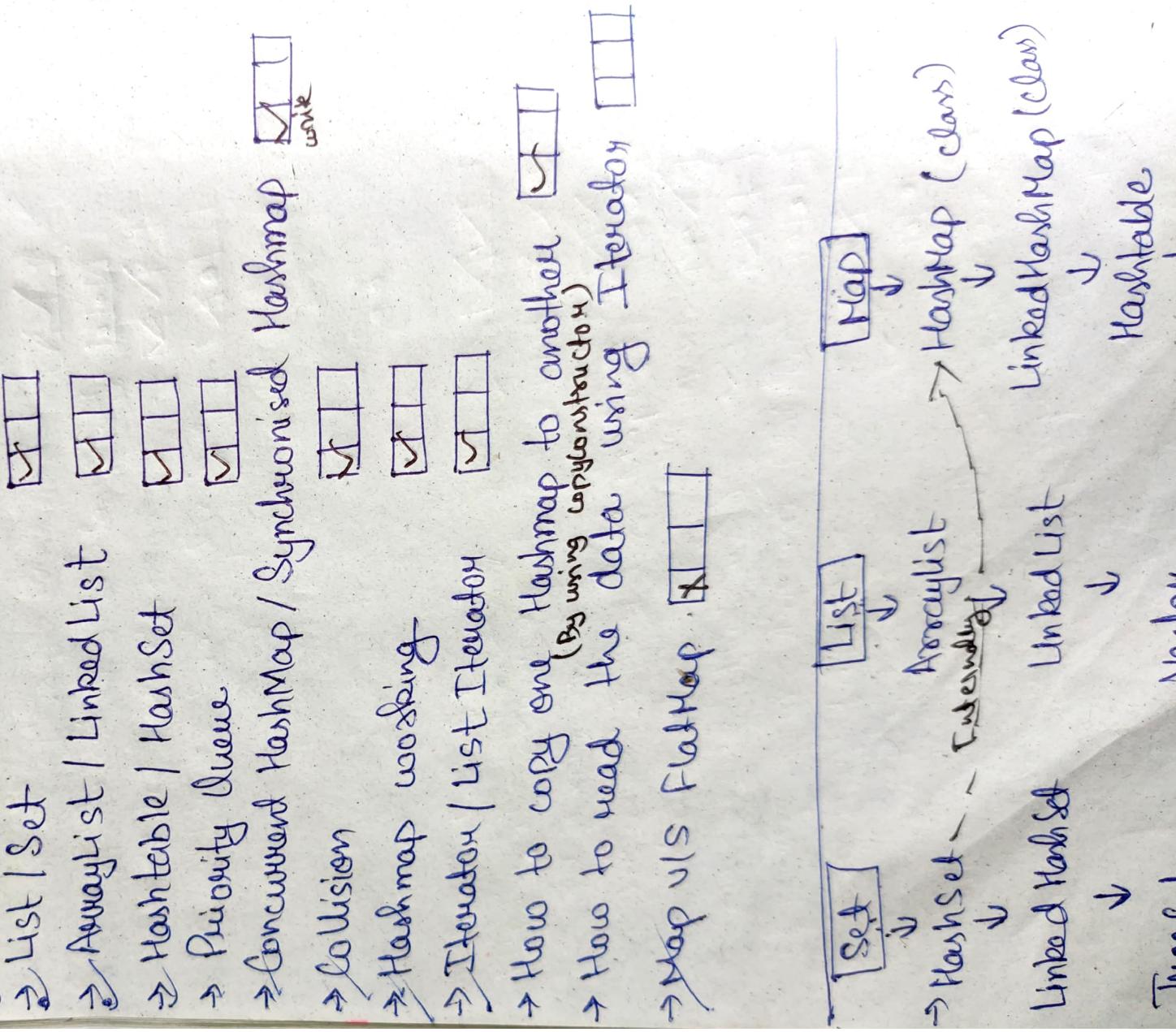


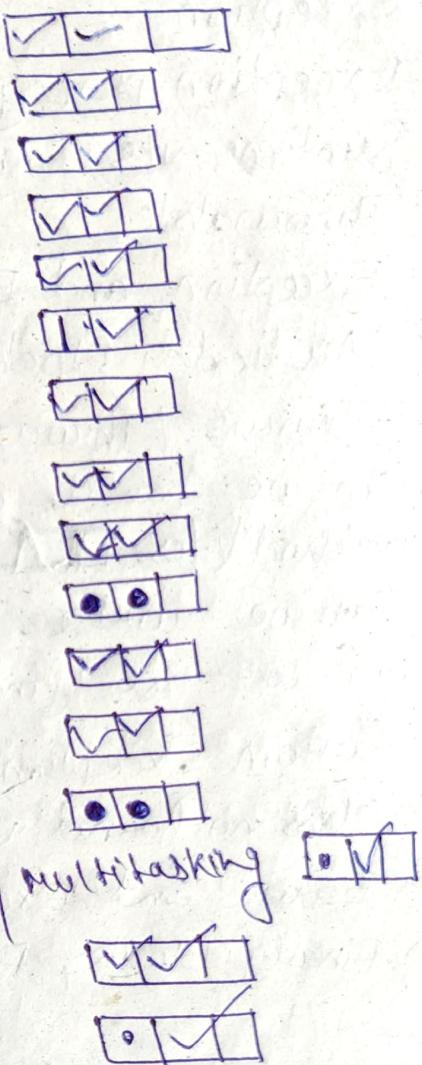
COLLECTIONS

- ↳ Collection | collections
- ↳ ArrayList | Vector | List
- ↳ Array | collection
- ↳ Iterator | Enumeration
- ↳ HashSet | TreeSet
- ↳ Set | Map
- ↳ HashSet | HashMap
- ↳ ArrayList | AssociateList
- ↳ fail fast | Fail Safe
- ↳ List | Set
- ↳ ArrayList | Linked List
- ↳ HashTable | HashSet
- ↳ Priority Queue
- ↳ ConcurrentHashMap | SynchronisedHashMap
- ↳ Collision
- ↳ HashMap working
- ↳ Iterator | List Iterator
- ↳ How to copy one Hashmap to another
(By using copy constructor)
- ↳ How to read the data using Iterator
- ↳ Map vs FlatMap



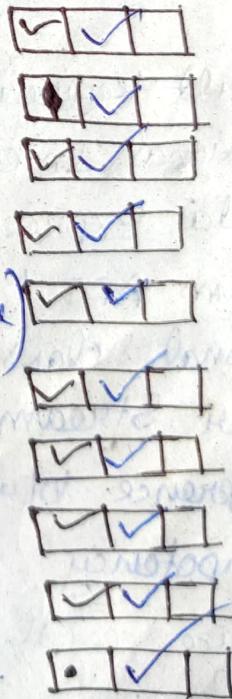
THREAD

- Multi-Threading Java
 - ways to run Thread
 - Drawback of Thread
 - Thread join operation
 - Synchronization Thread
 - Wait, sleep
 - Notify and NotifyAll
 - Thread Priority
 - Thread Pool
 - Volatile
 - Runnable / Callable Interface
 - Thread Scheduler
 - Execute Service
 - Multithreading and Multiprocessing
 - Thread | Process
 - Thread | Task | Proces



STRING

- String Buffer / String Builder & Aray
 - Volatile / Transient
 - Comparable / Comparator
 - Why String is immutable
 - Some String inbuilt method (charAt, length, replaceAll)
 - Mutable and Immutable
 - Steps to create Immutable obj.
 - String Constant Pool
 - == v/s equals
 - Replace v/s Replace All v/s Replace first



EXCEPTION

- Exception
- Exception propagation
- Runtime v/s Compile time
- Throwable
- Exception and Exception Handling
- Multicatch Block
- Throws / Throw
- Can we handle exception try, catch block in throws method (Yes)
- Can we write try, block without catch and ~~finally~~ can we use finally block. (Yes)
- Custom Exception
- Class notfound v/s No class found
- Error and Exception
- Finally Block, Final, finalize

PLN19T2

JAVA 8

- Default Keyword
- Functional Interface
- Lambda Expression
- Stream API (Filter and Map())
- Optional Class
- Filter Stream (Program)
- Difference b/w Map and FlatMap
- Idempotency ($a = a \cup$)
- Reduce method.
- Intermediate and terminal in a stream
- Why do we use Java 8 mostly. (Due to LTS)
- Date & Time

| long term support)

2900 NORMAL QUESTIONS

- Can we compile code without main?
- Which block execute before main().
- SIB & IIB
- JIT compiler
- Can final class be inherited? Can final variable can be change
- Can we create constructor of an abstract class
- How many ways we can create object in java?
- Java is pass by value or reference
- Serialization & Deserialization
- JDK, JRE, JVM
- Compiler v/s JVM
- How to run java without compiler
- this v/s Super keyword.
- prepared statements v/s statements
- Var and let
- SAM interface
- Is java platform independent? ~~AVCA~~
- JDK platform independent or not.
- Generics
- Tokenizer
- Cloning
- Hashcode
- Enum
- Wrapper class
- URL, URI, URN
- Circuit breaker

SYNOPSIS HANDBOOK OOPS

- Constructor & its Types
- Inheritance
- Abstraction
- Encapsulation
- Polymorphism (where you used)
- Access Modifiers
- Data hiding
- Marker Interface (where u used)
- Type Upcasting & TypeDownCasting
- AutoUpcasting & Explicit downcasting
- Runtime Polymorphism
- Interface
- Abstract classes
- Inner classes
- Primitive and object data types
- Multiple and Multi-level Inheritance
- Return vis Return value

ADVANCE

- Session Factory
- JPA
- Session
- Session management
- Session variables
- Cookies
- Http
- JSP & JSP implicit obj
- JSP Life Cycle
- Servlet Life Cycle
- Web Server / Application Server
- Hibernate
- Repository layer and How it work
- Hibernate Mapping ~~at type~~
- Spring MVC

- How to read Application properties file
- Spring Boot Advantages
- Dependency injection
- Types of webservices and Explain them?
- IOC container
- Monolithic architecture
- JSP and JSTL tags
- @SpringBoot Application
- SpringBoot Auto Configuration
- Spring Initializer
- Difference b/w Hibernate and JDBC
- Get and Load Hibernate
- Hibernate object
- Hibernate Architecture
- Microservices (Disadvantages)
- Junit methods
- Web Services
- JPA v/s Spring data JPA
- Get v/s Post
- Queries in Hibernate
- Types of Autowiring
- How instances are created in Hibernate
- HTTP methods
- Webservices v/s API
- Session v/s Session factory
- JSP tags and use
- JSP implicit obj
- Adv. of JDBC
- Bean life Cycle
- Actuator and Spring - Starter
- View Resolver
- Application context v/s Bean factory
- Model Attribute

- Session code in Hibernate ✓
- Pom.xml and web.xml ✓
- Hibernate Caching ✓
- Types of Scopes ✓
- @Entity, @Id, @GeneratedValue, @Table, @Column
- Dependency Injection ✓
- Session Tracking System ✓
- Core Interface of Hibernate ✓
- Session variable ✓
- Inter - servlet Connectivity ✓
- Front Controller ✓
- Server validation and Client Validation ✓
- Types of Design Pattern ✓
- Dispatcher Servlet ✓
- Why we use xml files over json ✓
- Dialect in Hibernate ✓

* Spring Actuator & Default endpoints:

- It is a sub project of Spring Boot framework
- It includes number of additional features that helps us to monitor and manage the SB application.

PROJECT QUESTIONS

- How to Test webServices
- Where did u used collection in project and which? X
- What are the Java Concepts you used in your project?
- Why do we use Micro-services
- How to integrate Hibernate in Java Project?
- Team Structure and their roles How do communicate? How they assigned task to you?
- What was daily schedule How was work allocation done?
- Project MVC flow
- Where you used Serialization and Deserialization X
- How you consume Microservices X }
- How you consume WebServices. X }
- How to Expose webServices. X
- Which methods you used in your REST? X
- How you implemented microservices in your project. X (By SH)

PRACTICAL PROJECT QUESTIONS

- Write a Email Sending code. X (Video 27/12/21)
- Write Consume and Exposing code of webservices (Aspit) X
- Generate iText Pdf code write it X
- Write the Structure of URL that you tested in Postman. X
- How to write URL in Postman X
- Creating a database Table.

Servers Question

- Seawlet
- Explain about Postman
- Errors in Postman
- What is Jeera
- What is Eureka Server.
- Circuit breaker
- Semantic Monitoring
- Jenkins
- By default Port no.
- How to change port no.

Project Qn. Continue

- In MVC what you have worked on most?
- Where you store project code. X (Siv) ✓
- How to write a code in webservices X
- How you performed webservices in your project (Siv)
- How Junit implemented in your project. X
- How to handle Exception in Spring Boot
- If any bugs occur in your project to whom you report? (Siv)
- What challenges you faced in your project (Siv)
- What are the modules you are using in your project
- What types of Exception you faced in your project
- Which architecture you followed in your project
- How you create Spring Boot Project
- How to handle Exception in Hibernate
- How you Implemented email sending in

- Explain Business logic of your project?
- How many times you attend sprint retrospective meeting, how many and whom are there in the meeting. X
- How many Scrum meeting you attended what was discussed in the meeting.
- How much time you took to complete one Sprint
- What are the roles of Scrum Master?
- Size of team.
- Burn down chart? UP chart?
- What is discussed in Sprint Review.
- How to explore JSON object (By using Postman)
- How to generate PDF.
- ① → How many user stories you worked on during your project development. (Size).
- Where did you used Singleton in your project? ✓✓
- Day to day work ✓✓