

Interview Questions (Sontakke, Appurva – PayHub):

- Java 8 features
- functional interfaces inbuilt methods
- predicate vs function
- create a Predicate to check if a number is even
- Abstraction when and why in class and method level
- base class of exception
- why NullPointerException is unchecked exception
- hashmap internal working
- what happen when .put method in hasmap
- hash collision
- load factor
- spring boot annotation
- starting point of spring boot application
- @component vs @configuration vs @bean
- @qualifier with bean type
- employees who are managers and belong to a different department than the department they manage
- employee(id, dept id, manager id, salary)
- second highest salary
- Authentication and Authorization (In rest API I want only limited users are able to hit particular URL)
- How java memory work in terms of object creation
- Memory utilization of String.
- Serialization and Deserialization in java

Interview Questions (Darekar, Tushar – PayHub):

- Self Introduction and about the projects worked
- Other questions are related to the recent project which I worked in citi
- Why kafka is being used rather than MQ
- Why you're saving the data in Mongo db
- What are the configurations used for Mongo db
- How sonar is integrated to the project
- How the ECS deployment happen
- How the security vulnerabilities are handled (black duck scan)
- How the spring scheduler will work
- How you're doing the code merge
- How you've configured the application configurations for different environments?
- How to create a simple spring boot application from scratch?

Interview Questions (Panigrahi, Sanjay):

- Project Overview and tech stack used
- Functional overview about downstream and up stream systems.
- How many kafka brokers used in the project configuration and why ?
- What is difference b/w save & save, flush in hibernate
- How transactional works ?
- What are the different cache's available in hibernate?

- How to write native queries in jpa?
- How pagination works in jpa?
- What is the use of DTO?
- How to embed composite key in entity?
- How to handle fault tolerance in microservices?
- Transaction Management in Microservices?
- How to handle exceptions in microservices?
- What is JPA?
- What is important component in Microservices?
- new Feature of java 17 and 8
- what hash collision in java? how to avoid?
- Why use Mongoddb?
- Difference between Mongoddb and Sql?
- Spring Boot Key Components?
- Explain any 5 Linux Command
- What is rest controller? and explaining annotation of rest controller
- Status code of HTTP
- What is doker? and why we use that?
- Earlier project and tech stack explaining what architecture followed.
- What are the SOLID principles?
- what are exceptions ,what comes under checked and unchecked exception.
- How handling exception in project.
- What is finally and why we are using it.
- How we can prevent finally block from getting executed?
- Why we are using collections?
- What is the initial capacity of arraylist and how it increases its size internally and by how much?
- How internally data is inserted in case of increasing the capacity?
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- What is the difference between CRUD and JPA repository.
- Named query vs Native query.
- How we add pagination in native query. What are the parameters required to be passed from UI while using pagination.
- If given table Employee-Columns: name age and dep. Write a named query to get the list of all students by name.
- How performing the authorization in your application.
- Annotations used in SB application.
- What in case we don't want to use @Autowired .What are the other options we can make use of.
- How @Autowired internally works ?
- How communication in APIs through RestTemplate and managing the case of failure requests or delayed response/timeout.
- What is the difference between interface and abstract class (java 14)
- How to design key for hashmap , When a employee with a unique employee id has multiple phone numbers.
- Why use java Collection class
- Explain architecture , various components, technologies , and code that you worked on , for any of the projects that you worked on. More questions in depth on same.
- Name few sorting algorithms and search algorithms

- Explain data structure of linked list and doubly linked list. Explain what does the first node of doubly linked list holds.
- What happens when duplicate primary key record is inserted using JPA
- Did you use JTA . Explain the use case.
- What is microservice. What are disadvantages of microservices
- why we need String pool in java. Why is String immutable in java.
- How hash Collision works internally ?
- SOAP vs Rest
- Spring boot key component
- Spring boot actuator
- JTA Spring boot
- Duplicate key in JPA
- Primary Key in JPA
- Rest Controller in Spring Boot
- how to accept json file in controller method?
- JPA repository
- Kafka topic reading and not getting consumed
- Why JAVA used String Pool Concept?
- What is zookeeper and what it does with kafka
- More about project architecture and what was your part onto that.
- Tell me about string what all you know.
- How transactional works
- What happens if a flow breaks down in transaction.
- How code goes to production
- diff between truncate and delete
- 2 phase commit
- save and persist related to unique constraints
- find max salary
- find sum of salary group by deptno
- transaction management with respect to JTA
- life cycle of object
- Hibernate cache
- Jpa internal working
- How object is connecting internally to table
- What are roles and responsibilities
- Tech stack
- Have you worked on kafka
- Have you worked on mongodb
- Team size
- Java 17 and 8 features
- Difference between stream and parallel stream
- What is the functional interface
- Consumer, function, predicate Java 8
- Sum of employee salaries using streams having salary greater than 100000
- Program to reverse only vowels in a string
- Difference between map and flatmap
- OOPS concepts
- Solid principles

- Microservices design patterns
- Difference between @Configuration and @Autoconfiguration
- How to autowire Jackson class

International Payments (Ketul and Shashank)

- How internally work for System.gc() method
- wait, notify, notifyall exists in Object class But we use only in multithread right. then those method we keep it inside the thread class right why it's exist in Object class?
- which principle following spring boot app
- when you will prefer to use string , stringBuffer and stringbuilder
- How to make immutable object
- when you will use hashmap and hashtable
- types of rest api methods
- difference b/t put vs patch
- why we don't prefer to use Put mapping for insert operation
- default server name for spring boot application
- difference b/t stackoverflow exception vs outofmemory exception
- how to disable tomcat for spring boot application
- solid principle
- what is dependency injection principle
- difference between SQL vs mongodb
- how create index for composite key for mongodb
- what is partition in kafka
- what is offset in kafka
- how partition work internally