

java 8 features

INTERVIW QUESTIONS



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# **What are the new features introduced in java8 ?**

* forEach() method in Iterable interface
* default and static methods in Interfaces
* Functional Interfaces and Lambda ExpressionsJava Stream API for Bulk Data Operations on Collections
* Java Time APICollection
* Java IO improvements

# **What is lambda expression in java8 ?**

Lambda expressions can be divided into three parts as shown in the below syntax:

(a,b)->{return a+b;}

**Arguments**: A lambda expression can have zero or more arguments at any point in time

**Array token**: It is used to point to the body of the expression.

**Body**: The body consists of expressions and statements. Braces are not required if it has only a single statement.

# **Can u create a custom functional interface in Java 8?**

Yes we can create custom functional interface as follows :

public interface Employee{

public int sum(int a,int b);

}

public class EmployeeTest{

public void main(String[] args){

Employee employe=(a,b)->{return a+b;}

System.out.println(employee.sum(10,0));

}

}

# **Differentiate between intermediate and terminal operations in Java 8.**

Intermediate operation used for the transition to a new state.

Examples of intermediate operations:

Filter(),map(),sorted(),distinct().

**Terminal operation used to execute** Used to end the process under execution.

# **Wap to print the salary of employee greater than 50000 usin java8 ?**

emps.stream().filter(n->n.getSalary>50000).collect(Collectors.toList());

# **what is optional in java 8?**

Optional is a container object which is used to contain not-null objects. Optional object is used to represent null with absent value. This class has various utility methods to facilitate code to handle values as 'available' or 'not available' instead of checking null values

# **What are method references in java 8 ?**

Method references help to point to methods by their names. A method reference is described using :: (double colon) symbol. A method reference can be used to point the following types of methods −

* Static methods
* Instance methods
* Constructors using new operator

**What are functional interfaces in java 8?**

An interface consist of Single Abstract method (SAM) is called

As functional interface. It can consist of default and static method also.

# **What is Nashorn in Java 8 ?**

Nashorn is a newly introduced JavaScript processing engine that came bundled with Java 8. It provides tighter compliances with ECMA JavaScript specifications and has runtime performance that beats Rhino, its predecessor.

# **What is a consumer in Java 8?**

Just like a predicate, a consumer is a single argument functional interface present in Java 8. However, the consumer does not return any value and can be used for lambda expressions.

# **Can you name the common types of functional interfaces in the standard library?**

* BiFuction
* BinaryOperator
* Consumer
* Predicate
* Supplier
* UnaryOperator

# **What is the syntax of a predicate interface in Java 8?**

Predicate is a functional interface used in Java to take in an object and return a Boolean value.