**Lambda exp. Assignments by gaurav diwan**

**Java with DSA and System design**

Q1] what is the lambda exp. of java 8 ?

Ans. Lambda expressions in Java 8 provide a concise way to express anonymous functions. They enable functional programming features with a shorter syntax.

Q2] can you pass lambda exp. To a method ? when?

Ans. Yes, you can pass lambda expressions as arguments to methods. This is often done when methods expect functional interfaces as parameters, facilitating a more concise and expressive code.

Q3] what is the functional interface in java 8?

Ans. A functional interface in Java 8 is an interface with a single abstract method. It can have multiple default or static methods, but only one abstract method, making it suitable for use with lambda expressions.

Q4] why do we use lambda exp. In java ?

Ans. Lambda expressions in Java are used for concise and expressive representation of anonymous functions. They facilitate functional programming features, making code more readable and enabling the use of functional interfaces in a more compact form.

Q5] is it mendatory for a lambda expression to have parameters?

Ans. No, it's not mandatory for a lambda expression in Java to have parameters. You can have lambda expressions with zero or more parameters, depending on the functional interface's abstract method signature.

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