

? What are unicast and broadcast

.. A **Unicast** communication is from one device on the network to another device on the network

. A **Broadcast** communication is from one device on the network to all devices on the network

? What are the differences between unicast, multicast, and broadcast

Parameters	Unicast	Broadcast	Multicast
Basics	There is only one receiver and one sender.	There are multiple receivers and one sender.	There are multiple receivers and multiple senders.
Meaning and Definition	Unicast information transfer is helpful for transferring data from a single client to all the recipients over the same network.	Broadcast data transfer occurs when one sender transmits data to multiple recipients at any given time.	Multiple senders and recipients participate in the process of data transfer in Multicasting.



What are java Generics and wildcards?

Generics mean **parameterized types**. The idea is to allow type (Integer, String, ... etc, and user-defined types) to be a parameter to methods, classes, and interfaces. Using Generics, it is possible to create classes that work with different data types.

An entity such as class, interface, or method that operates on a parameterized type is called a generic entity.

Wildcards

It represents an unknown type. The wildcard can be used in a variety of situations such as the type of a parameter, field, or local variable; sometimes as a return type. Unlike arrays, different instantiations of a generic type are not compatible with each other, not even explicitly. This incompatibility may be softened by the wildcard if ? is used as an actual type parameter.

What is the difference between array list and enums?

[ArrayList](#) class is a re-sizeable array that is present in **java.util** package. Unlike the built-in arrays, ArrayList can change their size dynamically where elements can be added and removed from an ArrayList.

Enums

An enum is a special "class" that represents a group of **constants** (unchangeable variables, like final variables).

To create an enum, use the enum keyword (instead of class or interface), and separate the constants with a comma.