



MODULE 04

GENERICS

MODULE TOPICS

What's a generic?

Why do we need generics?

Generics syntax

WHAT'S A GENERIC?

Generics are resusable components that can work on a variety of types rather than a single one
Functions, classes, and interfaces can be written with generics

WHY DO WE NEED GENERICS?

Generics minimize the need for overloading and promote better code reuse

They can also help with better type checking ensuring that multiple variables are the same type

GENERIC SYNTAX

Generics use a angle bracket syntax

```
function genericsFunction1<Type>(arg: Type): Type {}
```

WALKTHRU

```
function genericsFunction1<Type>(arg: Type): Type {  
  console.log("typeof arg is " + typeof arg);  
  return arg;  
}
```

Function Generic

ANY QUESTIONS?