Generic type cannot be used with static context

Private static T t; 🡪 not allowed

Type Erasure: generics is used only at compile time. Compiler will erase the generic type during compilation. Store<T> will be replaced with Store<Object>

Explicit Casting: When Store<String> is created, get methods will be automatically casted from object to String.

Type argument cannot be primitive. Store<int> is not allowed.

A screenshot of a cell phone

Description automatically generated

Type parameter with one or more bounds

<TypeParameter extends bound1 & bound2 & ….>

GenericsDemo<T extends List>

GenericsDemo<List> 🡪fine

GenericsDemo<ArrayList> 🡪 fine

GenericsDemo<LinkedList> 🡪 fine

GenericsDemo<Collection> 🡪 compilation error

Bounded Type parameter can access methods defined by bounds

A screenshot of a cell phone

Description automatically generated

Valid Bounds:

Class

Interface

Enum

Parameterized Type