Generics in Java

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Generic Programming = same logic/code for various doba hypes
     Clanguage = void*
     C++ language = templates
     Java (Hill 1:4) = using Object
     Java (5:0 or above) = generics
Coveric bedderwind
    - generic class
    - devenc susprof
    - generic interfaces
 Generic Class
     - dota stouctures are idea examples
       for generic classes
    - e.g. Stack queue linked list ...
```



Generic class

Class Box 7 Till Java 14 private Object obj; public void set (Objectobi)? 3 this obj = obj; Public Object get() } return this obji more (): Box b/= new Box (); bl. set ("Hello"); Stong ri= (String) b) set (); Box be= new Box (); b2.5et ("123"); Integer 82 = (Integer) Diget () G Clay Cast Exception: Store >> Integer Generics advantage: type-Safety type-Safety - type check at compile time. Class Box (TYPE) } Since Java 5.0 private TYPE obj. public void set (TYPE obj) } 3 this obj = obj; Public TYPE get () } return this obji regise (): Box String b/= new Box < String> (); bl. set ("Hello"); Stone ri= String bl. get () i Box<string b2= new Box<string>(); b2.5et ("123"); Integer 82 - b2-9et () / 1 Compiler error String = = b2. get(): 110 kay

