
Coding Task -1

An interface is defined named Appendable that includes an append method.

Then two classes, MyString and MyList are created which both implements Appendable interface.

He wants Java's type system to allow a MyString to be appended only to a MyString, and a MyList to be appended only to a MyList.

But not a MyString to a MyList, or a MyList to a MyString.

By proper use of generics, do necessary modification in all classes except the MainClass.

Coding Task - 2

Write a generic method to exchange the positions of two different elements in an array.

The method will take following 3 arguments:

- (i) An array of any kinds of object (ii) int position index of element 1 (iii) int position index of element 2

Self-Research & Task – 1

Design a class that acts as a Store for the following kinds of Media: Book, Video, and Newspaper. Provide one version of the class that uses generics and one that does not. Feel free to use any additional APIs for storing and retrieving the media.

Self-Research & Task – 2

Sketch the class definition and method signatures for a Stack class. I hope you know how Traditional Stack Data Structure works.

Use Generics, Parameterize by the type of element on the Stack.

Give the method definition for push(), pop(), and isEmpty().

Search Google If you have to know things about Stack and its methods.