**Task 10**

Write an abstract class ‘**Instrument’** which will have abstract method ‘**play’**, ‘**adjust’** & concrete method ‘**compose’**.

Use the abstract class ‘Instrument’ to create class ‘**Guitar’**, ‘**Keyboard’** & ‘**Violin’**.

Create instance (object) of every classes invoking(calling) every method. The method will print any message with ‘Instrument name’ and ‘Purpose’,

* The method ‘play’ for ‘Violin’ class will print “In the playing method of Violin”

https://docs.oracle.com/javase/tutorial/java/IandI/abstract.html

**Task 11**

Write a java application as follows:

Create a Student Interface ‘**StInterface’** with the methods ‘**setName’**, ‘**setID’**, ‘**getName’** **and ‘getID’**.

Create the class ‘**Student’** with ‘name’, ‘id’ and ‘address field’ implementing the ‘**StInterface’** to manipulate the Student information using the necessary methods.

Create an array of objects of **Student**. Then input the number of students to allocate student array dynamically and take Student information. Now print the student list alphabetically.

https://docs.oracle.com/javase/tutorial/java/concepts/interface.html