Text

Description automatically generated

* + Discuss your learning experience in several paragraphs

Write-up:

The following is my background information for module 3 generics:

* The generics type is used as a substitution for an actual class type
* The class type determines when objects are instantiated/created
* Generic data type represents class type instead of primitive type
* Allows user to input any variable type

The Generics type are tricky concepts when initially encounter it. After some time, the information is not too harsh. First, I applied all the classes into the ide and tried comprehending what the code doing. Obviously, I must implement a class called DataSetGen with Generics type for BankAccount and BaseballPlayer. The DataSetTester creates and instances of both classes listed beforehand. To start off with the code in the header need to contain <T> the create a place holder for any data type. The data type comes from the test class. DataSetGen needs attributes, a constructor, and the functions related to the test class (DataSetTester).

The attributes are the same as our DataSet class, paying close attention to our data\_Type Measurable. Constructor sets the attributes to have no value. The methods were implemented closely similar to DataSet except for getMaximum(). In the header of the operation, there needs to have a T to return that unique data type. Also, this class needs to return the largest added data in the data set. With our set value max but the initial type Measurable. We can change the type by placing (T) in front of max to do so.