* Assignment AIR - 2 *

* ## Title:-

Elementory chatbot for Suggesting investment as per customer needs.

* ## Problem statement:-

Develop elementory chatbot for suggesting investment as per the customer need.

* ## objective:- To learn and implement elementary chatbot.

* ## outcome:- student will be able to implement chatbot.

* ## software & Hardward appratus:- operating system 64 bit windows, or linux programming languager Java or python, computer keyboard, mouse.
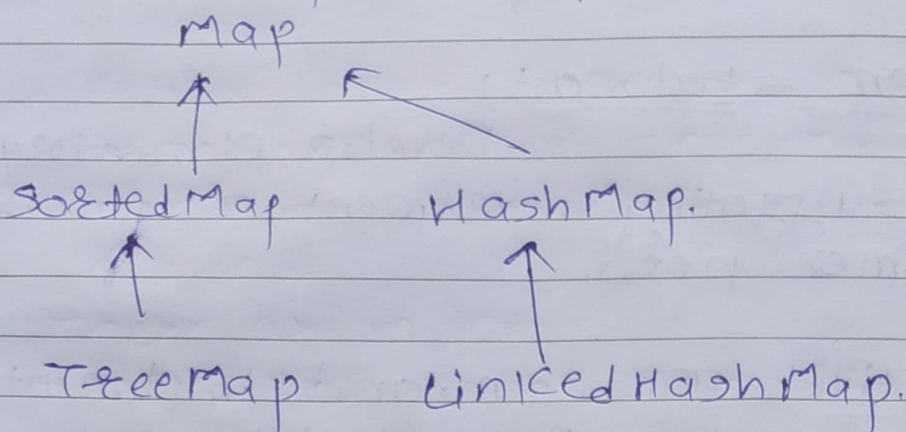
* ## Theory:-

Chatbot is an application used for question answering. Chatbot will help to solve queries. Two entities can communicate with each other using this application. chatbot in java can be implemented using map in collection.

A map contains value on the basis of key. i.e. key and value pair for each key and value pair is known as an entry

A map contains unique keys.

Java map hierarchy.

map

↑   ↖

SortedMap   HashMap.

↑   ↑

TreeMap   Linked HashMap.

Map does not allow duplicate keys but
can have duplicate value.
Hash Map and Linked Hash Map allow
null keys and value but TreeMap
does not allow any null key or
value.
A map Can be traversed, you need to
convert it to set using keyset() or
entry set().

Entry is subinterface of Map so it will
be accessed by Map. Entry name. It
returns a collection view of Map.

Map has key and value so values of
map Can be accessed by it's key.

*N Put (object key, object value)
        It is used to insert an entry in
the map.

* V remove (object key)
  It is used to remove particular element.

* boolean ContainsKey (Object key)
  It will return true if key is present.

* V get (object key)
  Method return value associated with key.

* boolean isEmpty()
  It returns true if map is empty.

* Map. Entry for traversing.
  * K getKey()
  It is used to obtain key.

* V getValue()
  It is used to obtain value.

* V setValue (V value)
  It is used to replace Value corresponding to entry Value.

* boolean equals (Object o)

  It is used to compare the specified object with other.

Test Case:-

Hii

wel Come! How Can I help you?

invest

yes, of Course, There are many option to invest Regional or Investment Bank In which bank you like to invest.

regional.

There are many

SBI, IDBI, Kotak mahindra investment.

well there are many like UBS, Barclays, HSBC, Deutche Bank

bye

Bye.

Conclusion:-

      In this way Chatbot is implemented in java for customer banking using Map in java.