**Exercise 1 (HashSet)**

Write a program to do the following:

* Define a String array and fill with duplicate Strings e.g.
  + String sampleStrings[] = {"red", "red", "blue", "orange", "cyan", "indigo", "blue", "orange", "black", "pink", "green", "navy", "emerald"}
* Define a HashSet of thpe String
* Copy the array's elements contents into the HashSet in order to eliminate duplicates (use a for loop). Remember that a hashset automatically elimates duplicates
* Print out the number of unique strings in the hashset (this will be the size of the hashset – use the size() method
* Print out the contents of the hashset using an Iterator (use a while loop and the hasNext and next methods).

Sample Output:

The number of unique strings is :10

indigo

orange

cyan

red

emerald

blue

green

pink

navy

black

**Exercise 2 (HashMap)**

Write a program to use a HashMap to implement a dictionary:

* Define a HashMap with type String for both the Key and Value
* Add some K,V pairs to the hashmap using the put method.
* E.g.
  + render", "to cause to be or become; make:"
  + "immoderate", "exceeding just or reasonable limits"
  + "foliaceous","pertaining to or consisting of leaves"
  + "insubordinate", "not submitting to authority; disobedient:"
  + "creek", "a stream, brook, or a minor tributary of a river"
* Write some code to look up definitions using the Keys and print them to the screen

Sample Output:

The definition of render : to cause to be or become; make:

The definition of insubordinate : not submitting to authority; disobedient:

The definition of googol : null