

## LOGIC BUILDING AND CODING PRACTICE

- a) Write Java program to Create a class to hold information that is stored in a TAB delimited text file names as “countryInfo.txt, as shown in the following sample image. A string will be passed as constructor parameter and the class should parse and store the columns shown in the image. Rest of the information may be ignored. The first row contains heading of each column while subsequent lines contain information about a countries that is not required and may be ignored. only one country's information is in one row.
- b) Write a Java program that reads this file and store information of one row in an object and adds this to an ArrayList named as” ciList”.
- c) In the java program of part (b), add a function named “ColSum” that accepts one integer as index of the column whose column sum is to be returned.
- d) Use this function to print
- i) Sum of Surface areas of all the countries,
  - ii) Sum of their populations
  - iii) Average of Life Expectancy values

Name	SurfaceArea	IndepYear	Population	LifeExpectancy	GNP	GNPOld
Angola	1246700	1975	12878000	38.3	6648	7984
Albania	28748	1912	3401200	71.6	3205	2500
United Arab Emirates	83600	1971	2441000	74.1	37966	36846
Argentina	2780400	1816	37032000	75.1	340238	323310
Armenia	29800	1991	3520000	66.4	1813	1627
Antigua and Barbuda	442	1981	68000	70.5	612	584
Australia	7741220	1901	18886000	79.8	351182	392911
Austria	83859	1918	8091800	77.7	211860	206025
Azerbaijan	86600	1991	7734000	62.9	4127	4100
Burundi	27834	1962	6695000	46.2	903	982
Belgium	30518	1830	10239000	77.8	249704	243948
Benin	112622	1960	6097000	50.2	2357	2141
Burkina Faso	274000	1960	11937000	46.7	2425	2201
Bangladesh	143998	1971	129155000	60.2	32852	31966
Bulgaria	110991	1908	8190900	70.9	12178	10169