TICT2113 DS&A Exercise 01

1. Write a java program to get 10 integer from user and insert those value inside a integer array name it as "numArpay".

2. If user entered any duplicate value, ask user to enter different value.

3. Once user entered all10 integers, if the array is not sorted, array needs to be sorted (Use bultin sorting methods in java).

4. Ask user to enter a target/ key value (store it as "target') to find the index in the given dataset.

5. Only use binary searching algorithm.

6. Program needs to be error free (Check whether user input is integer, if its not ask user to enter a integer).

7. Example output:

numArray = [4, 5, 6, 7, 8, 11, 14, 15, 20, 23]

target = 5

Index of the target is : 1