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| **package** com.company;  **import** java.util.ArrayList; **import** java.util.Scanner;  **public class** Main {   **public static** Scanner *scanner*=**new** Scanner(System.***in***);  **public static** arraylistN *ob*=**new** arraylistN();   **public static void** main(String[] args) {  arraylistN.*getvalues*(**"Cat"**);  arraylistN.*getvalues*(**"Dog"**);  arraylistN.*getvalues*(**"Rabbit"**);  arraylistN.*getvalues*(**"Goat"**);  arraylistN.*getvalues*(**"Hippo"**);   arraylistN.*printvalues*();   System.***out***.println();  arraylistN.*modifyelement*(3, **"POTATO"**);  arraylistN.*printvalues*();   System.***out***.println();  arraylistN.*removeelemet*(3);  arraylistN.*printvalues*();   System.***out***.println();  arraylistN.*searchbyItem*(**"Potato"**);  arraylistN.*searchbyItem*(**"Cat"**);   System.***out***.println();  arraylistN.*searchbyIndex*(**"Potato"**);  arraylistN.*searchbyIndex*(**"Cat"**);  } } | 1 element is: Cat  2 element is: Dog  3 element is: Rabbit  4 element is: Goat  5 element is: Hippo  3 has been modified to POTATO  1 element is: Cat  2 element is: Dog  3 element is: POTATO  4 element is: Goat  5 element is: Hippo  1 element is: Cat  2 element is: Dog  3 element is: Goat  4 element is: Hippo  no item found  item already exists  no match found  Cat |
| **package** com.company;  **import** java.util.ArrayList;  **public class** arraylistN {  **public static** ArrayList<String> *ob*=**new** ArrayList<String>(); *//works as a method* **public static void** getvalues(String item){  *ob*.add(item);  }  **public static void** printvalues(){  **for** (**int** i=0;i<*ob*.size();i++){  System.***out***.println((i+1) + **" element is: "** + *ob*.get(i));  }  }  **public static void** modifyelement(**int** position, String itm\_nm){  *ob*.set(position-1, itm\_nm);  System.***out***.println(position + **" has been modified to "** + itm\_nm);  }  **public static void** removeelemet(**int** position){  *ob*.remove(position-1);  }  **public static void** searchbyItem(String item){  **boolean** exists = *ob*.contains(item);  String element = exists ? **"item already exists"**: **"no item found"**;  System.***out***.println(element);  }  **public static void** searchbyIndex(String item){  **int** exists = *ob*.indexOf(item);  String element = (exists>=0) ? *ob*.get(exists) : **"no match found"**;  System.***out***.println(element);  } } |