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| import java.util.\*;  import java.io.\*;  public class L264  public static void main (String[] args) throws FileNotFoundException  {while (JPL.test())  {  // >>>>>> Your Java Code Fragment starts here <<<<<<  Scanner scan = new Scanner(new File("accounts.txt"));  BankAccount[] bankArray = new BankAccount[100];  int num = 0;    while(scan.hasNext()){  int accountNumber = scan.nextInt();  String firstname = scan.next();  String surname = scan.next();  double balance = scan.nextDouble();  BankAccount b = new BankAccount(accountNumber, firstname, surname, balance);  bankArray[num++] = b;  }    scan.close();    BankAccount highest = null;  for(int i = 0; i < num; i++){  if(highest == null || bankArray[i].getBalance() > highest.getBalance()){  highest = bankArray[i];  System.out.println(highest.getAccountNumber() + ", " + highest.getFirstname() + ", " + highest.getLastname() + ", " + highest.getBalance());  // >>>>>> Your Java Code Fragment ends here <<<<<<  class BankAccount  {  private int accountNumber;  private String firstname;  private String surname;  private double balance;  public BankAccount(int accountNumber, String firstname, String surname, double balance)  {  this.accountNumber = accountNumber;  this.firstname = firstname;  this.surname = surname;  this.balance = balance;  }    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Scanner scan = new Scanner(System.in);    while(scan.hasNext()){  System.out.print("Enter a string: ");  String read = scan.nextLine();  int numbers = 0;  for(int i = 0; i < read.length(); i++){  char c = read.charAt(i);  if (c >= 'A' && c <= 'Z'){  numbers+=1;  }  }  if(numbers < 1){  System.out.print("Program exited.");  break;  }else if(numbers >= 1){  System.out.print("Your string contains " + numbers + " uppercase characters. ");  }  } | // >>>>>> Your import statements start here <<<<<<  import java.util.\*;  // >>>>>> Your import statements end here <<<<<<  public class L261  public static void main (String[] args)  {while (JPL.test())  {  Scanner scan = new Scanner(System.in);  String read = "";    while(!read.equals("QUIT")){  read = scan.nextLine();  String rot = rot3(read);  System.out.println(rot);  }  public static String rot3(String x)  {  String t = "";  for(int i = 0; i < x.length(); i++){  char c = x.charAt(i);  if(c >= 'a' && c <= 'z'){  t += (char)((c - 'a' + 3)%26 + 'a');  }else{  t+= c;  }  }  return t;  }  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  import javax.swing.\*;  import java.util.\*;  public class L282{  public static void main (String[] args)  {  JFrame.setDefaultLookAndFeelDecorated(true);  JFrame frame = new JFrame("Select Image...");  JButton button = new JButton("Select Image...");    frame.add(button);  frame.setSize(300,200);  button.setSize(50,200);  frame.setVisible(true);    }  }  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  import java.util.Scanner;  public class E2862{  public static void main (String[] args)  {while (JPL.test())  {  Scanner scan = new Scanner(System.in);    System.out.print("Enter command: ");  String read = scan.next();  read = read.toUpperCase();  if(read.equals("START") || read.equals("BEGIN") || read.equals("GO")){  System.out.println("Starting program.");  }else{  System.out.println("Invalid command.");  }  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  public static void main (String[] args)  {while (JPL.test())  {    Scanner scan = new Scanner(System.in);    String[] cards = {"Jack","Queen","King","Ace"};    System.out.print("Enter a seed value: ");  int readSeed = scan.nextInt();  Random rSeed = new Random(readSeed);  int seed = rSeed.nextInt(4);  int seed2 = rSeed.nextInt(4);    String compChoice = cards[seed];  String compChoice2 = cards[seed2];    System.out.print("Computer chose: " + compChoice + " " + compChoice2); |
| public class Number\_Plate {  public static void main(String[] args) {  String[] inArray = {"SEE","ATE","ACC","EX","ER","E","S","I","B","Z","A"};  String[] outArray = {"C","8","X","X","R","3","5","1","8","2","4"};  String in = readInput();  String process = processInput(in,inArray,outArray);  output(process);  }  public static String readInput(){  Scanner scan = new Scanner(System.in);  // Scanner (read from input)  System.out.println("Enter a number plate you desire");  String input = scan.nextLine();  // Command to read input from Scanner  input = input.toUpperCase();  return input;  public static String processInput(String i, String[] a, String[] b){  for(int l = 0; l < a.length; l++){  // Counter  i = i.replaceAll(a[l],b[l]);  // replace all String  }  return i;    public static void output(String process){  System.out.println(process);  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  public class Lab8{  private static double[] data;  public Lab8(int n, double d)  {  double[] temp = new double[n];  data = temp;  for(int i = 0; i < n; i++){  data[i] = d;  }  public Lab8(double d, int n)  {  double[] temp = new double[n];  data = temp;  Random rand = new Random();  for(int i = 0; i < n; i++){  data[i] = rand.nextDouble()\*d;  }  public int getLength(){  return data.length;  }  public void setVal(int pos, double val){  if(pos < data.length && pos >= 0){  data[pos] = val;  }  }  public double getVal(int pos){  if(pos < data.length && pos >= 0){  return data[pos];  }else{  return -1;  }  }  public String tostring(){  String dataString = "{";  for(int i = 0; i < data.length; i++){  dataString+= data[i];    if(i != data.length-1) dataString+= ", ";  else dataString+= "}";  }  return dataString;  }  public int find(double num){  int pos = -1;  for(int i = 0; i < data.length; i++){  if(num == data[i]){  pos = i;  break;  }  }  return pos;  }  public double[] concat(double[] dArray){  double[] combine = new double[data.length + dArray.length];  for(int i = 0; i < data.length; i++){  combine[i] = data[i];  }  for(int k = 0; k < dArray.length; k++){  combine[data.length + k] = dArray[k];  }  return combine; | import java.util.Scanner;  import javax.swing.\*;  public class TruncGUI {  public static boolean gui = false;  public static String Trunced = "";  public static String word = "";  public static int numb = 0;  public static void main(String[] args) {  inputW();  inputN();  process(word,numb);  output();  }  public static void inputW(){  if (gui){  word = JOptionPane.showInputDialog(null,"Enter a string to truncate: ");  } else {  Scanner scan = new Scanner(System.in);  System.out.print("Enter a string to truncate: ");  word = scan.nextLine();  }  }  public static void inputN(){  if (gui == true){  numb = Integer.parseInt  (JOptionPane.showInputDialog(null,"Enter number of characters to truncate to: "));  } else {  Scanner scan = new Scanner(System.in);  System.out.print("Enter number of characters to truncate to: ");  numb = scan.nextInt();  }  }  public static void process(String a,int b){  if (b > 3){  a = a.substring(0,b-3);  a = a+"...";  Trunced = a;  } else {  Trunced = a;  }  }  public static void output(){  if(gui == true){  JOptionPane.showMessageDialog(null,Trunced);  } else {  System.out.println(Trunced);  }  import java.io.\*;  public class Lab8Tester{    public static void main (String[] args) throws FileNotFoundException{  Lab8 labTest = new Lab8(10, 40.5);  System.out.println("toString = " + labTest.tostring());  Lab8 labTest2 = new Lab8(40.5, 10);  System.out.println("toString2 = " + labTest2.tostring());  Lab8 labTest3 = new Lab8(10, 40.5);  System.out.println("toString3 = " + labTest3.tostring());    System.out.println("getLength = " + labTest.getLength());  labTest.setVal(1, 5000);  System.out.println("getVal = " + labTest.getVal(1));  System.out.println("toString = " + labTest.tostring());  System.out.println("toString2 = " + labTest2.tostring());  System.out.println("toString3 = " + labTest3.tostring());  System.out.println("find = " + labTest.find(5000));  //System.out.println("Concat lab1, lab2 = " + labTest.tostring(labTest.concat(labTest2.data)));    } |

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| import javax.swing.\*; // Swing commands  import javax.swing.event.\*; // Events  import javax.swing.border.\*;  import java.util.\*;  import java.io.\*;  import java.awt.\*;  import java.awt.event.\*; // Events  ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~  public static void main (String[] args){ }  Scanner scan = new Scanner(new FileReader("FILE.txt"));  while(scan.hasNext()){ }  while(lines.hasNext()){ }  String firstName = lines.next();  if(lines.hasNext()){  picture = lines.next();  }else{  picture = "";  Contacts temp = new Contacts(firstName, surname, age, email, picture);  contactList.addContact(temp);  scan.close();  ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~  try{ }  }catch(FileNotFoundException e){  JOptionPane.showMessageDialog(null, "File not found: " + e, ""+e,  JOptionPane.ERROR\_MESSAGE);  }catch(IOException e){  JOptionPane.showMessageDialog(null, "File did not load: " + e, ""+e,  JOptionPane.ERROR\_MESSAGE);  ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~  public class ButtonClicks extends JFrame implements ActionListener{ }  private PrintWriter output;  private JButton buttonNew = new JButton("New");  private JTextField firstnameField;  private JFrame contMan;  private DefaultListModel listModel;  private JList list;  private JFileChooser fileChooser;  private File file;  private String filename;  private JLabel imageLabel;  private boolean newCon; // YES/NO new condition  private int index; // index to find location  ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~  public ButtonClicks(ContactList temp){ }  contactList = temp;  contMan = new JFrame("Contacts Manager");  label.setFont(new Font("sansserif", Font.BOLD, 24));  listModel = new DefaultListModel();  for(int i = 0; i < contactList.contactNum(); i++){  listModel.addElement(temp.getContacts(contactList,i)); }  list = new JList(listModel);  list.setSelectionMode(ListSelectionModel.SINGLE\_SELECTION); list.setVisibleRowCount(5);  list.setFont(new Font("sansserif", Font.ITALIC, 14));  list.setFixedCellWidth(330);  JScrollPane listScroll = new JScrollPane(list);  JPanel northbox = new JPanel();  EmptyBorder emptyBorder = new EmptyBorder(10,10,10,10);  westbox.setBorder(emptyBorder); // Add empty border to westbox  buttonNew.addActionListener(this);  northbox.add(label);  contMan.getContentPane().setLayout(new BorderLayout());  contMan.getContentPane().add(northbox,BorderLayout.NORTH);  contMan.pack();  contMan.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);  contMan.setVisible(true);  ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~  substring(int beginIndex, int endIndex);  index = string.indexOf("dam");  public void ContactWindow(Contacts temp){ }  viewCon = new JFrame("View Contact");  fileChooser = new JFileChooser();  ImageIcon image = new ImageIcon(temp.getPicture());  imageLabel = new JLabel(image);  firstnameField = new JTextField(temp.getFirstName(),20);  firstnameField.setMaximumSize(new Dimension(Integer.MAX\_VALUE,  firstnameField.getPreferredSize().height));  JPanel westbox = new JPanel();  eastbox.setLayout(new BoxLayout(eastbox, BoxLayout.Y\_AXIS));  southbox.add(Box.createHorizontalGlue());  eastbox.add(eastbox1);  EmptyBorder emptyBorder = new EmptyBorder(1,40,10,10);  eastbox.setBorder(emptyBorder);  viewCon.getContentPane().setLayout(new BorderLayout());  viewCon.getContentPane().add(eastbox,BorderLayout.EAST);  viewCon.setSize(500,250);  viewCon.setVisible(true);  ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~  public void actionPerformed(ActionEvent e){ }  if(e.getSource() == buttonNew){ }  index = list.getSelectedIndex();  ContactWindow(new Contacts("","","","",""));  newCon = true;  }else if(e.getSource() == buttonView){  index = list.getSelectedIndex();  ContactWindow(contactList.sendContacts(contactList,index));  newCon = false;  listModel.remove(index);  int size = listModel.getSize();\  if (size == 0) { }  buttonDelete.setEnabled(false);  contactList.removeContact(index);  list.ensureIndexIsVisible(index);  output = new PrintWriter("Contacts.txt");  for(int i = 0; i < contactList.contactNum(); i++){  output.println(contactList.printContacts(contactList, i));  }  output.close();  fileChooser.setCurrentDirectory(file);  int returnVal = fileChooser.showOpenDialog(ButtonClicks.this);  if(returnVal == JFileChooser.APPROVE\_OPTION){  file = fileChooser.getCurrentDirectory();  filename = file.getName() + "/" + fileChooser.getSelectedFile().getName();  }else if(returnVal == JFileChooser.CANCEL\_OPTION){  filename = "";  }  ImageIcon temp = new ImageIcon(filename);  imageLabel.setIcon(temp);  try{ //// Make sure age is an int  int x = Integer.parseInt(newAg);  }catch(NumberFormatException nfe){  newAg = "";  }  viewCon.dispose();  listModel.clear();  for(int i = 0; i < contactList.contactNum(); i++){  listModel.addElement(contactList.getContacts(contactList, i));  ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~  int[][] ints = {{1,2},{33,44},{555,666}};  for (int[] is : ints) {     System.out.println(Arrays.toString(is));  } | public class ContactList{  private Contacts[] contacts;  private int contactNum;    public ContactList(){  contacts = new Contacts[0];  contactNum = 0;  public void addContact(Contacts c){  if(contactNum == contacts.length){  Contacts[] temp = new Contacts[contactNum + 1];  for(int i = 0; i < contacts.length; i++){  temp[i] = contacts[i];  contacts = temp;  contacts[contactNum] = c;  contactNum++;  public Contacts[] contacts(){  return contacts;  public String printContacts(ContactList list, int i){  String temp = "";  temp = (list.contacts[i].getFirstName() +", "+ list.contacts[i].getSurname()  + ", " + list.contacts[i].getEmail() +", "+ list.contacts[i].getAge()  + ", " + list.contacts[i].getPicture());  return temp;  public String getContacts(ContactList list, int i){  String temp = "";  temp = list.contacts[i].getFirstName() + " " + list.contacts[i].getSurname() +  ", " + list.contacts[i].getAge();  return temp;  public void removeContact(int index){  for(int i = index; i < contactNum-1; i++){  contacts[i] = contacts[i+1];  Contacts[] temp = new Contacts[contactNum-1];  for(int i = 0; i < contactNum-1; i++){  temp[i] = contacts[i]; contacts = temp;  contactNum--;  public void editContact(ContactList list, int index, String filename, String firstname, String surname,  String age, String email){  if(filename != null){  list.contacts[index].newPicture(filename);  }else{  list.contacts[index].getPicture();  list.contacts[index].newFirstName(firstname);  list.contacts[index].newSurname(surname);  //Make sure age is an Integer  try{  int x = Integer.parseInt(age);  }catch(NumberFormatException nfe){  age = "";  list.contacts[index].newAge(age);  list.contacts[index].newEmail(email);  public int getOldest(ContactList list){  int oldest = Integer.parseInt(list.contacts[0].getAge());  int position = 0;  for(int i = 0; i < list.contactNum; i++){  if(Integer.parseInt(list.contacts[i].getAge()) > oldest){  oldest = Integer.parseInt(list.contacts[i].getAge());  position = i;  return position;  public class Contacts{ }  private String firstName;  private String surname;  private String age;  private String email;  private String picture;  public Contacts(String firstName, String surname, String age, String email,  String picture){  this.firstName = firstName;  this.surname = surname;  this.age = age;  this.email = email;  this.picture = picture;  public void newFirstName(String firstName){  this.firstName = firstName;  public static String processInput(String i, String[] a, String[] b){  for(int l = 0; l < a.length; l++){  i = i.replaceAll(a[l],b[l]);  // replace all String  Array.length; no ()’s  int readSeed = scan.nextInt();  Random rSeed = new Random(readSeed);  int seed = rSeed.nextInt(4);  int seed2 = rSeed.nextInt(4);  read = read.toUpperCase();  if(read.equals("START") || read.equals("BEGIN") || read.equals("GO")){  System.out.println("Starting program.");  while(scan.hasNext()){  System.out.print("Enter a string: ");  String read = scan.nextLine();  int numbers = 0;  for(int i = 0; i < read.length(); i++){  char c = read.charAt(i);  if (c >= 'A' && c <= 'Z'){  numbers+=1;  if(numbers < 1){  System.out.print("Program exited.");  break;  }else if(numbers >= 1){  System.out.print("Your string contains " + numbers + " uppercase characters. ");  public static String rot3(String x){  String t = "";  for(int i = 0; i < x.length(); i++){  char c = x.charAt(i);  if(c >= 'a' && c <= 'z'){  t += (char)((c - 'a' + 3)%26 + 'a');  }else{  t+= c;  return t; |