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QUIZ Praktikum PBO

1. Alasan mengapa phoneNumber tidak menggunakan integer karena integer dapat dioperasikan (Seperti perkalian, pembagian, penjumlahan dan lain-lain) sedangkan String tidak dapat dioperasikan layaknya angka. Oleh karena itu phoneNumber yang berupa angka pasti dan tidak diperuntukan dalam pengoperasian seharusnya menggunakan String.
2. **Class Contact**

public class Contact {  
 private String nama;  
 private String email;  
 private String phoneNumber;  
  
 public String getNama() {  
 return nama;  
 }  
  
 public void setNama(String nama) {  
 this.nama = nama;  
 }  
  
 public String getEmail() {  
 return email;  
 }  
  
 public void setEmail(String email) {  
 this.email = email;  
 }  
  
 public String getPhoneNumber() {  
 return phoneNumber;  
 }  
  
 public void setPhoneNumber(String phoneNumber) {  
 this.phoneNumber = phoneNumber;  
 }  
}

1. **Class ContactManager**

public class ContactManager {  
 public Contact[] myFriends;  
 public int friendsCount;  
  
  
 public ContactManager(){  
 myFriends = new Contact[500];  
 friendsCount = 0;  
 }  
  
  
 public void addContact(Contact contact){  
 myFriends[friendsCount] = contact;  
 friendsCount++;  
 }  
  
 public Contact searchContact(String searchName){  
 for(int i=0; i<friendsCount; i++){  
 if(myFriends[i].getNama().equals(searchName)){  
 return myFriends[i];  
 }  
 }  
 return null;  
 }  
}

1. **Class Main**

import java.util.Scanner;  
  
public class Main {  
  
 public static void main(String[] args) {  
 ContactManager myContactsManager = new ContactManager();  
  
 Contact contact1 = new Contact();  
 contact1.setNama("Leonardo");  
 contact1.setPhoneNumber("+6245613815");  
 contact1.setEmail("leonardodcap@gmail.com");  
 myContactsManager.addContact(contact1);  
  
 Contact contact2 = new Contact();  
 contact2.setNama("Yahya");  
 contact2.setPhoneNumber("+6283123589");  
 contact2.setEmail("yahya2@yahoo.co.id");  
 myContactsManager.addContact(contact2);  
  
 Contact contact3 = new Contact();  
 contact3.setNama("Husain");  
 contact3.setPhoneNumber("+6811234567");  
 contact3.setEmail("hsn\_gy2@gmail.com");  
 myContactsManager.addContact(contact3);  
  
 Contact contact4 = new Contact();  
 contact4.setNama("Suya");  
 contact4.setPhoneNumber("+5135567891");  
 contact4.setEmail("suyaba4@evelon.com");  
 myContactsManager.addContact(contact4);  
  
 Contact contact5 = new Contact();  
 contact5.setNama("Baiq");  
 contact5.setPhoneNumber("+814567891235");  
 contact5.setEmail("bai9\_qi@evelon.com");  
 myContactsManager.addContact(contact5);  
  
 Scanner scanner=new Scanner(System.*in*);  
 String x;  
 do {  
 System.*out*.print("Search Name : ");  
 String search= scanner.next();  
 Contact result = myContactsManager.searchContact(search);  
 System.*out*.println("Looking for "+search+"'s contact ...");  
 if(result!= null){  
 System.*out*.println("Name : "+result.getNama());  
 System.*out*.println("Phone Number : "+result.getPhoneNumber());  
 System.*out*.println("Email Adress : "+result.getEmail());  
 }else {  
 System.*out*.println("Contact Not Found ...");  
 }  
 System.*out*.println();  
 System.*out*.print("Again ? (y/n) : ");  
 x=scanner.next();  
 }while (x.equals("y"));  
  
  
 }  
  
}