33)

package doselect;

import java.time.\*;

import java.util.\*;

public class Person33 implements Comparable<Person33>{

private Integer id;

private String name;

private LocalDate birthDate;

public Person33(Integer id, String name, LocalDate birthDate){

this.id=id;

this.name=name;

this.birthDate=birthDate;

}

public Integer getId() {

return id;

}

public void setId(Integer id) {

this.id = id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public LocalDate getBirthDate() {

return birthDate;

}

public void setBirthDate(LocalDate birthDate) {

this.birthDate = birthDate;

}

public String toString(){

return "Person{id='"+getId()+"'"+" name="+getName()+"'"+" birthdate="+getBirthDate()+"}";

}

@Override

public int compareTo(Person33 obj) {

return this.getBirthDate().getYear()-obj.getBirthDate().getYear();

}

}

class ImplementationPerson{

public List<Person33> filterListByBirth(List<Person33> persons){

List<Person33> lst=new ArrayList<Person33>();

lst.addAll(persons);

Collections.sort(lst);

return lst;

}

public List<Person33> limitSkipAndReturn(List<Person33> persons, int pageNumber, int pageSize){

List<Person33> lst1=new ArrayList<Person33>();

int mul=pageNumber\*pageSize;

for(int i=mul;i<mul+pageSize;i++){

lst1.add(persons.get(i));

}

return lst1;

}

}

class Person33Main{

public static void main(String[] args){

Person33 p1 = new Person33(1, "Mito", LocalDate.of(1991, 1, 21));

Person33 p2 = new Person33(2, "Code", LocalDate.of(1990, 2, 21));

Person33 p3 = new Person33(3, "Jaime", LocalDate.of(1980, 6, 23));

Person33 p4 = new Person33(4, "Duke", LocalDate.of(2019, 5, 15));

Person33 p5 = new Person33(5, "James", LocalDate.of(2010, 1, 4));

ImplementationPerson imp=new ImplementationPerson();

List<Person33> persons = Arrays.asList(p1, p2, p3, p4, p5);

List<Person33> l1=imp.filterListByBirth(persons);

List<Person33> l2=imp.limitSkipAndReturn(persons, 1, 2);

System.out.println(l1);

System.out.println(l2);

}

}