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* Fiind date clasele :

public abstract class Fruit(){

@Override String toString(){

return "Fruit";

}

}

public class Apple implements Fruit{

@Override String toString(){

return "Apple";

}

}

public class Pear implements Fruit{

@Override String toString(){

return "Pear";

}

}

List basket = new ArrayList<>();

basket.add(new Apple());

basket.add(new Pear());

basket.add(new Apple());

List<? extends Fruit> fridge = new ArrayList<>(basket);

fridge.forEach(fruit->System.out.print(fruit + " "));

List<? extends Fruit> store = new ArrayList<>(10);

Collections.copy(store, basket);

store.forEach(fruit->System.out.print(fruit + " "));

Care este rezultatul executiei codului de mai sus?

a) Apple Pear Apple Apple Pear Apple

b) exceptie la "Collections.copy(store, basket)"

c) Fruit Fruit Fruit Fruit Fruit Fruit

d) eroare la "new ArrayList<>(basket)"

**Raspuns**

b) eroare la "Collections.copy" exceptie la runtime java.lang.IndexOutOfBoundsException: Source does not fit in dest

* Fiind date clasele:

public interface B{}

public class A implements B, Comparable<A>{

int number;

public A(int number){

this.number = number;

}

@Override

public boolean equals(Object o) {

return number == ((A)o).number;

}

@Override

public String toString(){

return "A" + number;

}

@Override

public int compareTo(A o) {

return number - o.number;

}

}

private static <T extends Comparable<T>> List<T> function (List<? extends B> src, T item){

List<?> dest = new ArrayList<>(src);

dest.add(item);

Collections.sort(dest);

return dest;

}

public static void main(String[] args) {

List<B> list = new ArrayList<>();

list.add(new A(4));

list.add(new A(2));

list.add(new A(1));

list.add(new A(3));

List<A> sortedList = function(list, new A(100));

sortedList.forEach(System.out::println);

}

Care este rezultatul executiei codului de mai sus?

a) eroare la "sortedList = function()"

b) A1

A2

A3

A4

A100

c) eroare la "Collections.sort(dest);"

d) eroare la "dest.add(item);"

**Răspuns:b)** afiseaza A1 A2 A3 A4 A100