Text, whiteboard

Description automatically generatedCode:

//Utility

**package** p1;

**import** java.util.ArrayList;

**import** java.util.Collections;

**import** java.util.Scanner;

**public** **class** Utility{

**public** **static** ArrayList<Integer> *s1*=**new** ArrayList<Integer>();

**public** **static** ArrayList<Integer> *s2*=**new** ArrayList<Integer>();

**public** **static** Scanner *s*=**new** Scanner(System.***in***);

**public** **static** **int** MenuSelect()

{

System.***out***.println("1.Search the element in s1");

System.***out***.println("2.Store the element from s1 to s2");

System.***out***.println("3.Find the smallest element in s2");

System.***out***.println("4.Exit");

**return** *s*.nextInt();

}

**public** **static** **void** main(String[] args) {

ArrayList<Integer> s1=**new** ArrayList<Integer>();

s1.add(10);

s1.add(20);

s1.add(30);

s1.add(40);

s1.add(50);

ArrayList<Integer> s2=**new** ArrayList<Integer>();

s2.add(60);

s2.add(70);

s2.add(80);

s2.add(90);

**int** ch;

**while**(**true**)

{

ch=*MenuSelect*();

**switch**(ch)

{

**case** 1:

*SearchElementS1*();

**break**;

**case** 2:

*StoreS1toS2*();

**break**;

**case** 3:

*FindSmallestinS2*();

**break**;

}

}

}

**private** **static** **void** FindSmallestinS2() {

**int** smallest= *s1*.get(0);

**for** (**int** x : *s2*){

**if** (x < smallest) {

smallest = x;

}

}

System.***out***.println(smallest);

}

**private** **static** **void** StoreS1toS2() {

Collections.*copy*(*s1*,*s2*); // copying the ArrayList zoo to the ArrayList list

System.***out***.println(*s2*);

}

**private** **static** **void** SearchElementS1() {

System.***out***.println("Enter the elements to search:");

**int** search=*s*.nextInt();

**for** (Integer element : *s1*){

**if**(element.s1==search)

{

System.***out***.println("Element found");

System.***out***.println(element);

}

}

}

}