**package** assignments;

**import** java.util.\*;

**class** Program {

**public** String name;

**public** **boolean** value;

**public** ArrayList<String> tags;

**public** Program(String name, **boolean** value, ArrayList<String> tags){

**this**.name=name;

**this**.value=value;

**this**.tags=tags;

}

}

**class** Menu{

**public** Program prog;

**public** Menu(Program p) {

prog=p;

}

**public** String addProgram() {

String sname;

**if**(prog.value==**false**) {

prog.value=**true**;

**return**("Boolean changed");}

**else** {

sname=prog.name;

String stringname="";

String[] names=sname.split(" ");

**for**(String i : names) {

i=i.substring(0, 1).toUpperCase()+i.substring(1).toLowerCase()+" ";

stringname=stringname+i;

}

//System.out.println(stringname);

**return**("Program ready");

}

}

**public** String runQuery(String query) {

**int** tag=0;

String[] str = query.split(",");

**for**(**int** i=0;i<str.length;i++) {

**if**(!(prog.tags.contains(str[i])))

tag=tag+1;

}

**if**(tag==0)

**return**"No changes";

**else**

**return** tag+" tags added";

}

}

**class** question29{

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

Program p = **new** Program("recontile program", **true**, **new** ArrayList<String>(Arrays.*asList*("C","D")));

Menu m = **new** Menu(p);

String string = m.addProgram();

String st = m.runQuery("A,B");

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

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

}

}