**Problemele cu Ioana și Ion**

**import** java.util.Scanner;

**public** **class** Main {

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

Scanner sc = **new** Scanner(System.***in***);

System.***out***.println("Introduceti n = ");

**int** n = sc.nextInt();

Ex1 test = **new** Ex1();

test.Exemplul1(n);

test.Exemplul2();

Ex2 test1 = **new** Ex2();

test1.Exemplul1(n);

test1.Exemplul2(n);

sc.close();

}

}

**public** **class** Ex1 {

**public** **void** Exemplul1(**int** n) {

**int** S=0;

**for** (**int** i=1; i<=n; i++) {

S = S+i;

}

System.***out***.println("La " + n + " ani, Ioana are " + S + "$");

}

**public** **void** Exemplul2() {

**int** S=0;

**for** (**int** i=1; i<=18; i++) {

S = S+i;

**if** (S>100) {

System.***out***.println("La varsta de " + i + " ani");

**break**;

}

}

}

}

**public** **class** Ex2 {

**public** **void** Exemplul1(**int** n) {

**double** S=8;

**for** (**int** i=2; i<=n; i++) {

S= S+ 0.5\*S +4;

}

System.***out***.println("In anul " + n + " Ion are " + Math.*round*(S) + " mere");

}

**public** **void** Exemplul2(**int** n) {

**double** S=8;

**for** (**int** i=2; i<=n; i++) {

S= S+ 0.5\*S +4;

**if** (S>200) {

System.***out***.println("In anul " + i + " roada a depasit 200 mere");

**break**;

}

}

}

}