**Exercitiul 7**

**a)**

**package** RusuStanislavex;

**import** java.io.BufferedReader;

**import** java.io.IOException;

**import** java.io.InputStreamReader;

**import** java.io.PrintStream;

**public** **class** StanislavRusuex7 {

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

**int** n;

**int** sum=0;

**int** produs=1;

InputStreamReader isr = **new** InputStreamReader(System.***in***);

BufferedReader br = **new** BufferedReader(isr);

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

String s1 = br.readLine();

**int** n1 = Integer.*parseInt*(s1);

String s2 = br.readLine();

**for**(**int** i=1; i<=n1; i++) {

sum=sum+(2\*i-1);

produs=produs\*(2\*i-1);

}

System.***out***.println("suma= "+sum);

System.***out***.println("produs= "+produs);

}

}

b)

**package** RusuStanislavex;

**import** java.io.BufferedReader;

**import** java.io.IOException;

**import** java.io.InputStreamReader;

**import** java.io.PrintStream;

**public** **class** StanislavRusuex7 {

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

**int** n;

**int** sum=0;

**int** produs=1;

InputStreamReader isr = **new** InputStreamReader(System.***in***);

BufferedReader br = **new** BufferedReader(isr);

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

String s1 = br.readLine();

**int** n1 = Integer.*parseInt*(s1);

String s2 = br.readLine();

**for**(**int** i=1; i<=n1; i++) {

sum=sum+(2\*i);

produs=produs\*(2\*i);

}

System.***out***.println("suma= "+sum);

System.***out***.println("produs= "+produs);

}

}

**c)**

**package** RusuStanislavex;

**import** java.io.BufferedReader;

**import** java.io.IOException;

**import** java.io.InputStreamReader;

**import** java.io.PrintStream;

**public** **class** StanislavRusuex7 {

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

**int** n;

**int** sum=0;

**int** produs=1;

InputStreamReader isr = **new** InputStreamReader(System.***in***);

BufferedReader br = **new** BufferedReader(isr);

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

String s1 = br.readLine();

**int** n1 = Integer.*parseInt*(s1);

String s2 = br.readLine();

**for**(**int** i=1; i<=n1; i++) {

sum=sum+(3\*i);

produs=produs\*(3\*i);

}

System.***out***.println("suma= "+sum);

System.***out***.println("produs= "+produs);

}

}

**d)**

**package** RusuStanislavex;

**import** java.io.BufferedReader;

**import** java.io.IOException;

**import** java.io.InputStreamReader;

**import** java.io.PrintStream;

**public** **class** StanislavRusuex7 {

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

**int** n;

**int** sum=0;

**int** produs=1;

InputStreamReader isr = **new** InputStreamReader(System.***in***);

BufferedReader br = **new** BufferedReader(isr);

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

String s1 = br.readLine();

**int** n1 = Integer.*parseInt*(s1);

String s2 = br.readLine();

**for**(**int** i=1; i<=n1; i++) {

sum=sum+(4\*i);

produs=produs\*(4\*i);

}

System.***out***.println("suma= "+sum);

System.***out***.println("produs= "+produs);

}

}