Marcin

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1.

**Proces: Date**

**Cod**

***A. Scriere Hello world!***

*package ro.sda;*

*public class Hello {*

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

*System.out.println(„Welcome to SDA”);/🡪 („welcome” + args[0] + „ to SDA);-🡪 Argumentul il adaug de la „Edit Configuration”*

*}*

*}*

* Fiecare argument despartit prin spatiu(space) trebuie declarat prin *args[1}, args[2},*  cate argumente am declarat la *Edit Configuration*;

**package** tema2.ro;  
  
**import** java.util.Scanner;  
  
**public class** Hello {  
 **public static void** main(String[]args){  
 Scanner scanner = **new** Scanner(System.***in***);  
 System.***out***.print(**"Type your name: "**);  
 String name = scanner.nextLine();  
 System.***out***.println(name+ **" ,welcome to SDA!"**);  
 }  
}

* String= tip de date;

**2. Afisarea unor nume**

**package** cincinume;  
  
**import** java.util.Scanner;  
  
**public class** Cincinume {  
 **public static void** main(String[]args){  
 Scanner scanner = **new** Scanner(System.***in***);  
 System.***out***.print(**"Type your 1 name: "**);  
 String name1 = scanner.nextLine();  
 System.***out***.print(**"Type your 2 name: "**);  
 String name2 = scanner.nextLine();  
 System.***out***.print(**"Type your 3 name: "**);  
 String name3 = scanner.nextLine();  
 System.***out***.print(**"Type your 4 name: "**);  
 String name4 = scanner.nextLine();  
 System.***out***.print(**"Type your 5 name: "**);  
 String name5 = scanner.nextLine();  
 System.***out***.println(**"Hey "**+name1+ **","** +name2+ **","** +name3+ **","** +name4+ **" si "** +name5+**" ,welcome to SDA!"**);  
 }  
}

**3. Afisare numere**

**package** numar;  
**import** java.util.Scanner;  
  
  
**public class** atribuirenumere {  
  
  
 **public static class** Cincinume {  
 **public static void** main(String[]args){  
 Scanner scanner = **new** Scanner(System.***in***);  
  
 **int** number1 = 10;  
 **int** number2 = 20;  
  
 System.***out***.print(**"Type your 3 number: "**);  
 **int** number3 = scanner.nextInt();  
 System.***out***.print(**"Type your 4 number: "**);  
 **int** number4 = scanner.nextInt();  
 System.***out***.print(**"Type your 5 number: "**);  
 **int** number5 = scanner.nextInt();  
 System.***out***.println(**"Hey, here are your numbers: "** +number1+ **","** +number2+ **","** +number3+ **","** +number4+ **" si "** +number5);  
 }  
 }  
  
}

**2. Folosirea *if , else***

**boolean 🡪 true;**

**🡪 false.**

**EX : Afisarea de numere mai mici decat primul numar**

**package** statement;  
  
**import** java.util.Scanner;  
  
**public class** If {  
  
 **public static void** main(String[] args) {  
  
 Scanner scanner = **new** Scanner(System.***in***);  
 System.***out***.print(**"Type your 1 number: "**);  
 **int** number1 = scanner.nextInt();  
 System.***out***.print(**"Type your 2 number: "**);  
 **int** number2 = scanner.nextInt();  
 System.***out***.print(**"Type your 3 number: "**);  
 **int** number3 = scanner.nextInt();  
 System.***out***.print(**"Type your 4 number: "**);  
 **int** number4 = scanner.nextInt();  
 System.***out***.print(**"Type your 5 number: "**);  
 **int** number5 = scanner.nextInt();  
  
 **if** (number2 < number1) {  
 System.***out***.println(number2);  
 }  
 **if** (number3 < number1) {  
 System.***out***.println(number3);  
 }  
 **if** (number4 < number1) {  
 System.***out***.println(number4);  
 }  
 **if** (number5 < number1) {  
 System.***out***.println(number5);  
 }  
  
  
 }  
  
}

* **Numele la pachet(package) si la clasa trebuie sa fie acelasi, numai ca pachetul va fi scris cu litere mici, iar clasa cu litere mari.**

**Ex: Suma sa fie mai mare decat un anumit numarpackage** osuta;  
  
**import** java.util.Scanner;  
  
**public class** Ostua {  
  
 **public static void** main(String[] args) {  
  
 Scanner scanner = **new** Scanner(System.***in***);  
 System.***out***.print(**"Type your 1 number: "**);  
 **int** number1 = scanner.nextInt();  
 System.***out***.print(**"Type your 2 number: "**);  
 **int** number2 = scanner.nextInt();  
 System.***out***.print(**"Type your 3 number: "**);  
 **int** number3 = scanner.nextInt();  
 System.***out***.print(**"Type your 4 number: "**);  
 **int** number4 = scanner.nextInt();  
 System.***out***.print(**"Type your 5 number: "**);  
 **int** number5 = scanner.nextInt();  
  
 **int** sum = number1 + number2 + number3 + number4 ;  
 **if** (sum > number5) {  
 System.***out***.println(**"Suma este mai mare decat "** + number5);  
 }  
 **else if**(sum < number5) {  
 System.***out***.println(**"Suma primelor patru numere este mai mica decat "** +number5);  
 }  
 **else if**(sum == number5) {  
 System.***out***.println(**"Suma este egala cu "** +number5);  
 }**else** {  
 System.***out***.println(**"Suma nu este mai mare decat "** +number5);  
 }  
  
 }  
}

**Verificare daca este numar par**

**package** osuta;  
  
**import** java.util.Scanner;  
  
  
**public class** Ostua {  
  
 **public static void** main(String[] args) {  
  
 Scanner scanner = **new** Scanner(System.***in***);  
 System.***out***.print(**"Type your 1 number: "**);  
 **int** number1 = scanner.nextInt();  
 System.***out***.print(**"Type your 2 number: "**);  
 **int** number2 = scanner.nextInt();  
 System.***out***.print(**"Type your 3 number: "**);  
 **int** number3 = scanner.nextInt();  
 System.***out***.print(**"Type your 4 number: "**);  
 **int** number4 = scanner.nextInt();  
 System.***out***.print(**"Type your 5 number: "**);  
 **int** number5 = scanner.nextInt();  
  
  
 **if** (number1 % 2 == 0) {  
 System.***out***.println(number1+**" Este numar par"**);  
 }  
 **if**(number2 % 2 == 0) {  
 System.***out***.println(number2+ **" Este numar par"**);  
 }  
 **if**(number3 % 2 == 0) {  
 System.***out***.println(number3+ **" Este numar par"**);  
 }  
 **if**(number4 % 2 == 0) {  
 System.***out***.println(number4+ **" Este numar par"**);  
 }  
 **if**(number5 % 2 == 0) {  
 System.***out***.println(number5+ **" Este numar par"**);  
 }  
  
 }  
}

**Media numerelor**

**package** media;  
  
**import** java.util.Scanner;  
  
**public class** Media {  
 **public static void** main(String[] args) {  
 Scanner scanner = **new** Scanner(System.***in***);  
 System.***out***.print(**"Type your 1 number: "**);  
 **int** number1 = scanner.nextInt();  
 System.***out***.print(**"Type your 2 number: "**);  
 **int** number2 = scanner.nextInt();  
 System.***out***.print(**"Type your 3 number: "**);  
 **int** number3 = scanner.nextInt();  
 System.***out***.print(**"Type your 4 number: "**);  
 **int** number4 = scanner.nextInt();  
 System.***out***.print(**"Type your 5 number: "**);  
 **int** number5 = scanner.nextInt();  
 **int** sum = number1 + number2 + number3 + number4 + number5;  
  
 **int** media = sum/5;  
 System.***out***.println(**"Media celor cinci numere este "** +media);  
  
 }  
}

**Maximul**

**package** media;  
  
**import** java.util.Scanner;  
  
**public class** Media {  
 **public static void** main(String[] args) {  
 Scanner scanner = **new** Scanner(System.***in***);  
  
 System.***out***.print(**"Type your 1 number: "**);  
 **int** number1 = scanner.nextInt();  
  
 System.***out***.print(**"Type your 2 number: "**);  
 **int** number2 = scanner.nextInt();  
 System.***out***.print(**"Type your 3 number: "**);  
 **int** number3 = scanner.nextInt();  
  
 System.***out***.print(**"Type your 4 number: "**);  
 **int** number4 = scanner.nextInt();  
 System.***out***.print(**"Type your 5 number: "**);  
 **int** number5 = scanner.nextInt();  
  
 **int** max = number1;  
 **if** (number2 > max) {  
 max = number2;  
 }  
 **if** (number3 > max) {  
 max = number3;  
 }  
 **if** (number4 > max) {  
 max = number4;  
 }  
 **if** (number5 > max) {  
 max = number5;  
 }  
 System.***out***.println(**"Maximul este "** +max);  
 }  
}

**EX : Scrie luna si anul pentru a genera numarul de zile.**

**package** years;  
**import** java.util.Scanner;  
  
**public class** Years {  
 **public static void** main(String[] args) {  
 Scanner scanner = **new** Scanner(System.***in***);  
 System.***out***.print(**"Scrie luna: "**);  
 **int** month = scanner.nextInt();  
  
 System.***out***.print(**"Scrie anul: "**);  
 **int** year = scanner.nextInt();  
  
  
 **if**(month == 1||month ==3||month ==5||month ==7||month ==8||month ==10||month ==12) {  
 System.***out***.println(**"Luna are 31 de zile."**);  
 }  
 **if**(month == 4||month ==6||month ==9||month ==11) {  
 System.***out***.println(**"Luna are 30 de zile"**);  
 }  
 **if**(month==2) {  
 **if** (year % 4 != 0) {  
 System.***out***.println(**"Luna are 28 de zile."**);  
 } **else if** (year % 100 != 0) {  
 System.***out***.println(**"Luna are 29 de zile."**);  
 } **else if** (year % 400 != 0) {  
 System.***out***.println(**"Luna are 28 de zile."**);  
  
 } **else** { System.***out***.println(**"Luna are 29 de zile."**);  
 }  
  
 }  
 **else**{  
 System.***out***.print(**"Luna este invalida."**);  
  
 }  
  
 }  
}