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| |  | | --- | | **EJERCICIO 1** | | private static void ***p1***() {  System.*out*.print("Hours?: ");  int hours = *keyboard*.nextInt();  System.*out*.print("Min?: ");  int min = *keyboard*.nextInt();  System.*out*.print("Seconds? ");  int Sec = *keyboard*.nextInt();  System.*out*.println("");  int hSec = hours \* 3600;  int mSec = min \* 60;  int totalSec = hSec + mSec + Sec;  System.*out*.println("Total seconds = " + totalSec);  System.*out*.println("");  } | |
| |  | | --- | | **EJERCICIO 2** | | private static void ***p2***() {  double pi = 3.1416;  System.*out*.println("Radius?: ");  float radius = *keyboard*.nextFloat();  float per = (float) (2 \* pi \* radius);  float area = (float) (pi \* Math.*pow*(radius, 2));  System.*out*.println("Perimeter = " + per);  System.*out*.println("Area = " + area);  } | |
| |  | | --- | | **EJERCICIO 3** | | private static void ***p3***() {  System.*out*.println("Number one?: ");  int n1 = *keyboard*.nextInt();  System.*out*.println("Number two?: ");  int n2 = *keyboard*.nextInt();  System.*out*.println("Number three?: ");  int n3 = *keyboard*.nextInt();  if (n1 > n2 && n1 > n3 && n2 > n3) {  System.*out*.println("The number " + n1 + " is the smallest and the number " + n3 + " is the biggest");  } else if (n1 > n2 && n1 > n3 && n3 > n2) {  System.*out*.println("The number " + n1 + " is the smallest and the number " + n2 + " is the biggest");  } else if (n2 > n1 && n2 > n3 && n1 > n3) {  System.*out*.println("The number " + n2 + " is the smallest and the number " + n3 + " is the biggest");  } else if (n2 > n1 && n2 > n3 && n3 > n1) {  System.*out*.println("The number " + n2 + " is the smallest and the number " + n1 + " is the biggest");  } else if (n3 > n1 && n3 > n2 && n1 > n2) {  System.*out*.println("The number " + n3 + " is the smallest and the number " + n2 + " is the biggest");  } else if (n3 > n1 && n3 > n2 && n2 > n1) {  System.*out*.println("The number " + n1 + " is the smallest and the number " + n3 + " is the biggest");  }  } | |
| |  | | --- | | **EJERCICIO 4** | | private static void ***p4***() {  System.*out*.print("Side1?: ");  int s1 = *keyboard*.nextInt();  System.*out*.print("Side2?: ");  int s2 = *keyboard*.nextInt();  int per = (s1 \* 2) + (s2 + 2);  int area = s1 \* s2;  System.*out*.println("The perimeter is: " + per);  System.*out*.println("The area is: " + area);  } | |

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| |  | | --- | | **EJERCICIO 5** | | private static void ***p5***() {  System.*out*.println("Time of the day?: m/t/n");  String day = *keyboard*.next();  System.*out*.println("Gender?: m/f");  String sex = *keyboard*.next();  if ("m".equals(sex) && "m".equals(day)) {  System.*out*.println("good day, sir.");  } else if ("m".equals(sex) && "t".equals(day)) {  System.*out*.println("good afternoon, sir.");  } else if ("m".equals(sex) && "m".equals(day)) {  System.*out*.println("good night, sir.");  } else if ("f".equals(sex) && "m".equals(day)) {  System.*out*.println("good day, lady.");  } else if ("f".equals(sex) && "t".equals(day)) {  System.*out*.println("good afternoon, lady.");  } else if ("f".equals(sex) && "m".equals(day)) {  System.*out*.println("good night, lady.");  } else {  System.*out*.println("Incorrect answer");  }  } | |

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| |  | | --- | | **EJERCICIO 7** | | private static void ***p7***() {  System.*out*.print("Base? ");  int b = *keyboard*.nextInt();  System.*out*.print("Height? ");  int h = *keyboard*.nextInt();  System.*out*.println("");  int area = (b \* h) / 2;  int per = b \* 3;  System.*out*.println("The aria is " + area);  System.*out*.println("The perimeter is " + per);  } | |

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| |  | | --- | | **EJERCICIO 8** | | private static void ***p8***() {  System.*out*.print("Circumference radius? ");  float r = *keyboard*.nextFloat();  float per = (float) (2 \* 3.1416 \* r);  float area = (float) (3.1416 \* Math.*pow*(r, 2));  float vol = (float) (4 \* 3.1416 \* Math.*pow*(r, 3) / 3);  System.*out*.println("");  System.*out*.println("Perimeter= " + per);  System.*out*.println("Area= " + area);  System.*out*.println("Volume= " + vol);  } | |

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| |  | | --- | | **EJERCICIO 9** | | private static void ***p9***() {  System.*out*.print("Days? ");  int D = *keyboard*.nextInt();  System.*out*.print("Hours? ");  int H = *keyboard*.nextInt();  System.*out*.print("Minutes? ");  int Min = *keyboard*.nextInt();  System.*out*.print("Seconds? ");  int Sec = *keyboard*.nextInt();  System.*out*.println("");  int dSec = D \* 86400;  int hSec = H \* 3600;  int mSec = Min \* 60;  int totalSec = dSec + hSec + mSec + Sec;  System.*out*.println("Total seconds = " + totalSec);  } | |

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| |  | | --- | | **EJERCICIO 10** | | private static void ***p10***() {  System.*out*.print("Number 1? ");  int n1 = *keyboard*.nextInt();  System.*out*.print("Number 2? ");  int n2 = *keyboard*.nextInt();  for (int i = n1; i <= n2; i++) {  if (i % 2 == 0) {  } else {  System.*out*.print(i + "**\t**");  }  }  } | |

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| |  | | --- | | **EJERCICIO 11** | | private static void ***p11***() {  System.*out*.print("Number 1: ");  int n1 = *keyboard*.nextInt();  System.*out*.print("Number 2: ");  int n2 = *keyboard*.nextInt();  System.*out*.print("Number 3: ");  int n3 = *keyboard*.nextInt();  System.*out*.println("");  if (n1 > n2 && n1 > n3 && n2 > n3) {  System.*out*.println(n3 + " " + n2 + " " + n1);  } else if (n1 > n2 && n1 > n3 && n3 > n2) {  System.*out*.println(n2 + "**\t**" + n3 + "**\t**" + n1);  } else if (n2 > n1 && n2 > n3 && n1 > n3) {  System.*out*.println(n3 + "**\t**" + n1 + "**\t**" + n2);  } else if (n2 > n1 && n2 > n3 && n3 > n1) {  System.*out*.println(n1 + "**\t**" + n3 + "**\t**" + n2);  } else if (n3 > n1 && n3 > n2 && n1 > n2) {  System.*out*.println(n2 + "**\t**" + n1 + "**\t**" + n3);  } else if (n3 > n1 && n3 > n2 && n2 > n1) {  System.*out*.println(n1 + "**\t**" + n2 + "**\t**" + n3);  }  } | |

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| |  | | --- | | **EJERCICIO 15** | | private static void ***p15***() {  System.*out*.print("Number 1: ");  int n1 = *keyboard*.nextInt();  System.*out*.print("Number 2: ");  int n2 = *keyboard*.nextInt();  System.*out*.print("Number 3: ");  int n3 = *keyboard*.nextInt();  System.*out*.print("Number 4: ");  int n4 = *keyboard*.nextInt();  float m = (n1 + n2 + n3 + n4) / 4;  System.*out*.println("Average= " + m);  } | |

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| |  | | --- | | **EJERCICIO 16** | | private static void ***p16***() {  int[] n = new int[10];  for (int i = 0; i < 10; i++) {  System.*out*.print("Number " + (i + 1) + ": ");  n[i] = *keyboard*.nextInt();  }  System.*out*.println("");  float m = (n[0] + n[1] + n[2] + n[3] + n[4] + n[5] + n[6] + n[7]  + n[8] + n[9]) / 10;  System.*out*.println("Average= " + m);  } | |

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| |  | | --- | | **EJERCICIO 17** | | private static void ***p17***() {  for (int i = 0; i < 57; i++) {  System.*out*.print((i + 1) + "**\t**");  }  } | |

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| |  | | --- | | **EJERCICIO 18** | | private static void ***p18***() {  for (int i = 57; i > 0; i--) {  System.*out*.println(i + "**\t**");  }  } | |

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| |  | | --- | | **EJERCICIO 19** | | private static void ***p19***() {  System.*out*.println("Number?: ");  int n = *keyboard*.nextInt();  for (int i = 0; i < n; i++) {  System.*out*.println(i + "**\t**");  }  } | |

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| |  | | --- | | **EJERCICIO 20** | | private static void ***p20***() {  int i = 0;  while (i < 57) {  System.*out*.println(i + 1);  i = i + 1;  }  } | |

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| |  | | --- | | **EJERCICIO 21** | | private static void ***p21***() {  int i = 57;  while (i > 0) {  System.*out*.println(i - 1);  i = i - 1;  }  } | |

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| |  | | --- | | **EJERCICIO 22** | | private static void ***p22***() {  System.*out*.println("Number?: ");  int n = *keyboard*.nextInt();  int i = 0;  while (i < n) {  System.*out*.println(i + 1 + "**\t**");  i = i + 1;  }  } | |

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| |  | | --- | | **EJERCICIO 23** | | private static void ***p23***() {  int i = 0;  do {  System.*out*.println(i + 1 + "**\t**");  } while (i < 57);  } | |

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| |  | | --- | | **EJERCICIO 24** | | private static void ***p24***() {  System.*out*.println("Number one?: ");  int n1 = *keyboard*.nextInt();  System.*out*.println("Number two?: ");  int n2 = *keyboard*.nextInt();  if (n1 > n2) {  do {  System.*out*.println(n2 + 1 + "**\t**");  n2 = n2 + 1;  } while (n1 > n2);  } else {  do {  System.*out*.println(n1 + 1 + "**\t**");  n1 = n1 + 1;  } while (n2 > n1);  }  } | |
| |  | | --- | | **EJERCICIO 25** | | private static void ***p25***() {  System.*out*.println("Name?: ");  String name = *keyboard*.next();  System.*out*.println("First surname?: ");  String surname1 = *keyboard*.next();  System.*out*.println("Second surname?: ");  String surname2 = *keyboard*.next();  System.*out*.println("DNI?: ");  String dni = *keyboard*.next();  System.*out*.println("PAS?: ");  float pas = *keyboard*.nextFloat();  System.*out*.println("PAD?: ");  float pad = *keyboard*.nextFloat();    if (pas > 120 || pad > 80) {  System.*out*.println("The patient " + surname1 + " " + surname2 + ", " + name + " have have hypertension");  }  else if (pas < 55 || pad < 55){  System.*out*.println("The patient " + surname1 + " " + surname2 + ", " + name + " have have hypotension");  }  else if (pas > 84 && pas <120 || pad > 55 && pad <80) {  System.*out*.println("The patient " + surname1 + " " + surname2 + ", " + name + " have normal blood pressure");  }  } | |

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| |  | | --- | | **Switch** | | public static void ***main***(String[] args) throws IOException {  *keyboard*.useDelimiter("**\n**");  int option = -1;  do {  *userMenu*();  option = *keyboard*.nextInt();  switch (option) {//inicio switch  case 1:  *p1*();  break;  case 2:  *p2*();  break;  case 3:  *p3*();  break;  case 4:  *p4*();  break;  case 5:  *p5*();  break;  case 6:  *p6*();  break;  case 7:  *p7*();  break;  case 8:  *p8*();  break;  case 9:  *p9*();  break;  case 10:  *p10*();  break;  case 11:  *p11*();  break;  case 12:  *p12*();  break;  case 13:  *p13*();  break;  case 14:  *p14*();  break;  case 15:  *p15*();  break;  case 16:  *p16*();  break;  case 17:  *p17*();  break;  case 18:  *p18*();  break;  case 19:  *p19*();  break;  case 20:  *p20*();  break;  case 21:  *p21*();  break;  case 22:  *p22*();  break;  case 23:  *p23*();  break;  case 24:  *p24*();  break;  case 25:  *p25*();  break;  default:  System.*out*.println("Opcion no valida");  }//fin switch  } while (option != 10);  } |   private static void ***userMenu***() {  System.*out*.println();  System.*out*.println("Opción 1- (--)");  System.*out*.println("Opción 2- (--)");  System.*out*.println("Opción 3-(--)");  System.*out*.println("Opción 4-(--)");  System.*out*.println("Opción 5- (--)");  System.*out*.println("Opción 6- (--):");  System.*out*.println("Opción 7- (--):");  System.*out*.println("Opción 8- (--)):");  System.*out*.println("Opción 9- (--):");  System.*out*.println("Opción 10- (--):");  System.*out*.println("Opción 11- (--):");  System.*out*.println("Opción 12- (--):");  System.*out*.println("Opción 13- (--):");  System.*out*.println("Opción 14- (--):");  System.*out*.println("Opción 15- (--):");  System.*out*.println("Opción 16- (--):");  System.*out*.println("Opción 17- (--):");  System.*out*.println("Opción 18- (--):");  System.*out*.println("Opción 19- (--):");  System.*out*.println("Opción 20- (--):");  System.*out*.println("Opción 21- (--):");  System.*out*.println("Opción 22- (--):");  System.*out*.println("Opción 23- (--):");  System.*out*.println("Opción 24- (--):");  System.*out*.println("Opción 25- (--):");  System.*out*.print("**\n**Opcion ?: ");  }  } |

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| |  | | --- | | **EJERCICIO 10** | | private static void ***p10***() {  System.*out*.print("Number 1? ");  int n1 = *keyboard*.nextInt();  System.*out*.print("Number 2? ");  int n2 = *keyboard*.nextInt();  for (int i = n1; i <= n2; i++) {  if (i % 2 == 0) {  } else {  System.*out*.print(i + "**\t**");  }  }  } | |

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| |  | | --- | | **EJERCICIO 10** | | private static void ***p10***() {  System.*out*.print("Number 1? ");  int n1 = *keyboard*.nextInt();  System.*out*.print("Number 2? ");  int n2 = *keyboard*.nextInt();  for (int i = n1; i <= n2; i++) {  if (i % 2 == 0) {  } else {  System.*out*.print(i + "**\t**");  }  }  } | |

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| |  | | --- | | **EJERCICIO 10** | | private static void ***p10***() {  System.*out*.print("Number 1? ");  int n1 = *keyboard*.nextInt();  System.*out*.print("Number 2? ");  int n2 = *keyboard*.nextInt();  for (int i = n1; i <= n2; i++) {  if (i % 2 == 0) {  } else {  System.*out*.print(i + "**\t**");  }  }  } | |