EXERCICI 1 – PADAWAN

```
package exercicis1;
public class Exercici1Padawan {
   //Programa que diga "Bon dia"//
   public static void main(String[] args){
   System.out.println("Bon dia");

    //Programa que calcula i mostra el area de un quadrat de costat igual a 5.//
   int costat = 5;
   int area;
   area = costat * costat;
   System.out.println("El area del quadrat es: " + area);
}
}
```

EXERCICI 2 – PADAWAN

```
package exercicis1;
public class Ex2Padawan {
   public static void main(String[] args){
      int costat = 5;
      int area = costat * costat;
      System.out.println("El area del quadrat es: " + area);
   }
}
```

EXERCICI 3 – PADAWAN

```
package exercicis1;
import java.util.Scanner;


public class Ex3Padawan {
   public static void main(String[] args){
      Scanner entrada = new Scanner(System.in);


      System.out.println("El costat del quadrat val:");
      int costat;
      costat = entrada.nextInt();
      int area;
      area = costat * costat;


      System.out.println("El area del quadrat es: " + area);


        entrada.close();


   }
}
```

EXERCICI 4 – PADAWAN

```
package exercicis1;
import java.util.Scanner;
public class Ex4Padawan {
   public static void main(String[] args){
      //Exercici que llig 2 numeros introduits per teclat i calcula la suma, resta, multiplicacio i divisio//
      Scanner entrada = new Scanner(System.in);

      int num1;
      int num2;
      System.out.println("Introduce un numero:");
      num1 = entrada.nextInt();

      System.out.println("introduce otro numero: ");
      num2 = entrada.nextInt();

      int suma = num1 + num2;
      int resta = num1 - num2;
      int prod = num1 * num2;
      int div = num1/num2;

      System.out.println("Suma = " + suma);
      System.out.println("Resta = " + resta);
      System.out.println("Multiplicacio = " + prod);
      System.out.println("Divisio = " + div);

      entrada.close();
   }
}
```

EXERCICI 5 – PADAWAN

```
package exercicis1;
import java.util.Scanner;
public class Ex5Padawan {
   public static void main(String[] args){
      Scanner entrada = new Scanner(System.in);
      int radi;

      System.out.println("Escriu el radi de la circunferencia: ");
      radi = entrada.nextInt();

      double longitud, area, volumen;
      double Pi = Math.PI;

      longitud = Pi * 2 * radi;
      area = Pi * Math.pow(radi, 2);
      volumen = 4/3 * Pi * Math.pow(radi, 3);

      System.out.println("Longitud = " + longitud);
      System.out.println("Area = " + area);
      System.out.println("Volumen = " + volumen);

      entrada.close();
}
}
```

EXERCICI 6 – PADAWAN

```
package exercicis1;
import java.util.Scanner;
public class Ex6Padawan {
   public static void main(String[] args){
      Scanner entrada = new Scanner(System.in);

      double preuArt;
      System.out.println("Escriu el preu del article:");
      preuArt = entrada.nextDouble();

      double preuVenda;
      System.out.println("Escriu el preu de venda:");
      preuVenda = entrada.nextDouble();

      double desc = ((preuArt - preuVenda) * 100)/preuArt;

      System.out.println("El descompte es del " + desc + "%");
      entrada.close();
   }
}
```

EXERCICI 7 – PADAWAN

```
package exercicis1;
import java.util.Scanner;
public class Ex7Padawan {
   public static void main(String[] args){
      Scanner entrada = new Scanner (System.in);

      System.out.println("Escriu la distancia en milles: ");
      double distMilles;
      distMilles = entrada.nextDouble();

      double distMetros = distMilles * 1852;

      System.out.println("La distancia en metros es de " + distMetros + "m");
      entrada.close();
   }
}
```

EXERCICI 8 – PADAWAN

```
package exercicis1;
import java.util.Scanner;
public class Ex8Padawan {
    public static void main(String[] args){
        Scanner entrada = new Scanner(System.in);
        System.out.println("Escriu la teua edad: ");
        int edad = entrada.nextInt();

        if (edad>=18){
            System.out.println("Eres major de edad.");
        }

        entrada.close();
    }
}
```

EXERCICI 9 – PADAWAN

```
package exercicis1;
import java.util.Scanner;
public class Ex9Padawan {
    public static void main(String[] args){
        Scanner entrada = new Scanner(System.in);

        System.out.println("Escriu la teua edad: ");
        int edad = entrada.nextInt();

        if (edad>=18){
            System.out.println("Eres major de edad");
        } else {
            System.out.println("Eres menor de edad.");
        }
        entrada.close();
    }
}
```

EXERCICI 10 – JEDI

```
package exercicis1;
import java.util.Scanner;
public class Ex10Jedi {
   public static void main(String[] args){
      Scanner entrada = new Scanner(System.in);

      int num1, num2;
      System.out.println("Escriu un numero: ");
      num1 = entrada.nextInt();

      System.out.println("Escriu un altre numero: ");
      num2 = entrada.nextInt();

      int suma, resta, prod, div;

      if (num2 == 0) {
         suma = num1 + num2;
         resta = num1 - num2;
         prod = num1 * num2;
         System.out.println("Suma = " + suma);
         System.out.println("Resta = " + resta);
         System.out.println("Multiplicacio = " + prod);
         System.out.println("Divisio = No es pot dividir per 0.");
      } else {
         suma = num1 + num2;
         resta = num1 - num2;
         prod = num1 * num2;
         div = num1/num2;
```

```
            System.out.println("Suma = " + suma);
            System.out.println("Resta = " + resta);
            System.out.println("Multiplicacio = " + prod);
            System.out.println("Divisio = " + div);
        }

        entrada.close();
    }
}
```

EXERCICI 11 – JEDI

```
package exercicis1;
import java.util.Scanner;
public class Ex11Jedi {
   public static void main(String[] args){
      Scanner entrada = new Scanner(System.in);

      int num1, num2;
      System.out.println("Escriu un numero: ");
      num1 = entrada.nextInt();
      System.out.println("Escriu un altre numero");
      num2 = entrada.nextInt();

      if (num1 > num2) {
         System.out.println(num1);
      } else if (num2 > num1){
         System.out.println(num2);
      }else{
         System.out.println("Els dos numeros son iguals.");
      }
      entrada.close();
   }
}
```

EXERCICI 12 – JEDI

```
package exercicis1;

import java.util.Scanner;

public class Ex12Jedi {
    public static void main(String[] args){
        Scanner entrada = new Scanner(System.in);


        System.out.print("Escriu un numero: ");
        int num = entrada.nextInt();


        if (num >=0){
            System.out.println("El numero es positiu.");
        } else{
            System.out.println("El numero es negatiu.");
        }
        entrada.close();
    }
}
```

EXERCICI 13 – JEDI

```
package exercicis1;
import java.util.Scanner;
public class Ex13Jedi {
   public static void main(String[] args){
      Scanner entrada = new Scanner(System.in);
      System.out.println("Escriu un numero: ");
      int num1 = entrada.nextInt();

      System.out.println("Escriu un altre numero: ");
      int num2 = entrada.nextInt();

      if (num1 > num2){
         System.out.println(num2);
         System.out.println(num1);
      } else if(num2 > num1){
         System.out.println(num1);
         System.out.println(num2);
      } else{
         System.out.println("Els dos numeros son iguals.");
      }
      entrada.close();
   }
   }
```

EXERCICI 14 – JEDI

```
package exercicis1;
import java.util.Scanner;
public class Ex14Jedi {
   public static void main(String[] args){
      Scanner entrada = new Scanner(System.in);

      int num1, num2;
      System.out.println("Escriu un numero: ");
      num1 = entrada.nextInt();

      System.out.println("Escriu altre numero: ");
      num2 = entrada.nextInt();

      if (num1 > num2){
         System.out.println(num1 + " es major.");
      } else if (num2 > num1){
         System.out.println(num2 + " es major.");
      } else {
         System.out.println(num1 + " es igual a " + num2);
      }
      entrada.close();
   }
}
```

EXERCICI 15 – JEDI

```
package exercicis1;
import java.util.Scanner;
public class Ex15Jedi {
   public static void main(String[] args){
      Scanner entrada = new Scanner(System.in);

      System.out.println("Escriu el primer numero: ");
      int num1 = entrada.nextInt();

      System.out.println("Escriu el segon numero: ");
      int num2 = entrada.nextInt();

      System.out.println("Escriu el tercer numero: ");
      int num3 = entrada.nextInt();

      if ((num1 > num2)&&(num1 > num3)){
         System.out.println("El numero " + num1 + " es el major.");
      } else if((num2 > num1)&&(num2 > num3)){
         System.out.println("El numero " + num2 + " es el major.");
      } else{
         System.out.println("El numero " + num3 + " es el major.");
      }

      entrada.close();
   }
}
```

EXERCICI 16 – MESTRE JEDI

```
package exercicis1;
import java.util.Scanner;
public class Ex16MestreJedi {
   public static void main(String[] args){
      Scanner entrada = new Scanner(System.in);
      System.out.println("Escriu la nota: ");
      int nota = entrada.nextInt();

      switch(nota){
         case 0:
         case 1:
         case 2:
            System.out.println("Molt deficient.");
            break;
         case 3:
         case 4:
            System.out.println("Insuficient.");
            break;
         case 5:
         case 6:
            System.out.println("Be.");
            break;
         case 7:
         case 8:
            System.out.println("Notable.");
            break;
         case 9:
         case 10:
```

```
            System.out.println("Excel·lent.");
            break;
        default:
            System.out.println("Nota no valida.");
    }
    entrada.close();
  }
}
```

EXERCICI 17 – MESTRE JEDI

```
package exercicis1;
import java.util.Scanner;
public class Ex17MestreJedi {
   public static void main(String[] args){
      //Programa que llig i mostra l'hora passat un segon//
      Scanner entrada = new Scanner(System.in);
      System.out.println("Escriu l'hora: ");
      int hora = entrada.nextInt();
      System.out.println("Escriu els minuts: ");
      int minuts = entrada.nextInt();
      System.out.println("Escriu els segons: ");
      int segons = entrada.nextInt();

      if (segons == 59){
         segons = 0;
         if (minuts == 59){
            minuts = 0;
            if (hora == 23){
               hora = 0;
            } else {
               hora = hora + 1;
               System.out.println("Son les: " + hora + ":" + minuts + ":" + segons);
            }
         } else {
            minuts = minuts + 1;
            System.out.println("Son les: " + hora + ":" + minuts + ":" + segons);
         }
      } else {
```

```
            segons = segons + 1;
            System.out.println("Son les: " + hora + ":" + minuts + ":" + segons);


        }
        entrada.close();
    }
}
```

EXERCICI 18 – MESTRE JEDI

```
package exercicis1;
import java.util.Scanner;
public class Ex18MestreJedi {
   public static void main(String[] args){
      //Programa per a calcular el salari net setmanal.//
      Scanner entrada = new Scanner(System.in);
      System.out.println("Escriu el teu nom: ");
      String nom = entrada.next();

      System.out.println("Escriu les hores treballades: ");
      double hores = entrada.nextDouble();

      System.out.println("Escriu la tarifa normal: ");
      double tarifaNormal = entrada.nextDouble();
      double salari;
      double neto;

      if (hores <= 35){
         salari = hores * tarifaNormal;
      } else{
         salari = 35 * tarifaNormal + (hores - 35) * tarifaNormal * 1.5;
      }

      double impost;
      impost = 0;

      if (salari > 900){
         impost = (400 * 0.25) + (salari - 900) * 0.45;
```

```
            neto = salari - impost;
            System.out.print("El salari neto de: " + nom);
            System.out.print(" es de " + neto + " eur. Impostos: " + impost + " eur.");
        }else if(salari > 500){
            impost = (salari - 500) * 0.25;
            neto = salari - impost;
            System.out.print("El salari neto de: " + nom);
            System.out.print(" es de " + neto + " eur. Impostos: " + impost + " eur.");
        } else{
            neto = salari - impost;
            System.out.print("El salari neto de: " + nom);
            System.out.print(" es de " + neto + " eur. Impostos: " + impost + " eur.");
        }
        entrada.close();
    }
}
```