1) Ejercicio Package com mycompany Factorial; Import Java util Sconner; Public class Factorial f Public static void main (String [] args) { Scanner entroclo = new Scanner (System in); System out println ("Ingrese un número de l 1 al 10"); Int numIngresado = entraida nextInt();
It (numIngresado 21 11 numIngresado > 10) {
entracha clase();
throw new Exception ("Numero no valido"); Int resultado = 1; For (Int i = 1; i < = num Ingres audo 1++) { resultado = resultado + 1; Tystem out println ("Elresultado delFactorial es: ") + resultado) 3 Cotch (Exception e) {
IF (e getNessage() != null {
System out print In(e.getNessage());

System out print In(e.getNessage()); System out. println ("Orgito novalido"); 353 tuffy

1 Eyerckio while. Import Java Ulfil Scanner; Public Class Factoria While; Public static void main (String I) args) [Scanner entrada = new Scanner (System in); System out. printlin ("Ingrese un número del 1 al 10"); Int numingresado = entrada.nextInt();
if Inumingresado < 1 11 numingresado > 10) {
 entrada close();
 throw new Exception (Wimero no valido");
} Intresultado = 1; while: (i = nuntigresado) {
 resultado = resultado xi;
 i ++: System. out. println ("El resultado del factorial es:" + resultada); 3catch (Exception e) {
 If (e. getHessage()!=null) {
 System out println (e getHessage());
 System out println("Digito no valido")

@ Tres Números Import javoutil scanner; Public class Tresilimenos { Public static void moun (string Dargs) ? Scanner entroda = new Scanner (system.in); Systemout println ("agito la operación que desea hacer: In suma hz. Resta. In 3. Hultiplicación Int. Division" + Ins. Moddo"); Int, operation = entrada next [nf(): System.out.printlin("origite la contidad de veces qe desee hocer la speración"); Int cont veces = entrada next Int (); Tor(Int 1=1; L= cantyeces; i+t) \$ System at printly ("Ingrese un primer numero."); double numbro = entrada nextInt (); System out println ("Ingrese un segundo número"); double num Dos = entrada next Int(); System out println ("Ingrese un tercer número"); double numbres = entrada.nextInt(); Switch (operacion) { Suma (numbho, numbos, numTres);
break;
Case 2 resta (num Uno, numbos, num Tres); break; (are 3 multiplicación (num Uno, numbos, num Tres); break, Case q división (numbro, numbos, num Tres);
break 1 default:

Stotem outprintly ("opcion incorrector");

I catch (exception e) {
System out println ("Origito no valdo"); entrada close (); Public statid void Suma (double n1, doublenz, double n3) {
 double resultado = n1+n2+n3;
 system out printh (resultado);
} public static void resta (double no, abublenz, double no) {
 double resultado = no -no -no ;
 System out println (resultado);
} Public static uvid multiplicación (double no, double no, double no) {
double resultado = n 1 x ne in3;
system out printín (resultado); public static, void division (double no, clouble no, double no, do public static void module (double not double no) {

double resultado = no / no 20 no 9/0;

System out printlin (resultado);

Dia Mos Año @ Tres Numerosuhile Import java util scanner; Rubhackuss Opetresnumwhile 5 public static void main (String[] curgs) ? Scamer entrada = new Scanner (System in); System out println ('Digite la operación que dexe Ing. Hultiplicación hacer: In suma Inz. Rosta. Int operacion = entrada next IAT System out println ("Digite la contidad de veces que Int cartyeces = entrada next Int(); Int 1 = 1 while (i 4 = Cant Veces) ystem out printly ("Ingrese un primer nimeo" darble numbra = entrada nextInt(); System aut. println ("Ingrese on segundo nomero")
dable numbos = entrada next Int();
System aut. println ("Ingres un tercer numero")
dable num tres = entrada next Int(); Switch Coperación); Case 1 Suma (numbro, num Dos, numbres); break; Case 2 pesta Chumbro, numbos, numbres); preaks Case 3 untiplicación(numbro, numbos, numbres); break ; Case of division (numbro, numbro, numbres); break; default: System out print In ("opion incorrecta"); tuffy

```
I catch (exception e) {
System out println ("aigito no valdo");
                 entrada close ();
public statid void Suma (double n1, doublenz, double n3) {
    double resultado = n1+ne+n3;
    system.aut.printh (resultado);
public static void resta (double no, double no) {
    double resultado = no -no -no;
    System out printla (resultado);
public static poid multiplicación (double no, double no, double no) {
    double resultado = n 1 x ne x no;
    System out println (resultado);
public static void division (double ng clouble nz double nz) {
    double resultado; ng /nz/nz;
    system cut. pnnt/n (resultado);
public static void module (double n1, double n2, double n3) {
    double resultado = n1 %, n2 % n3 %;
    System out print [resultado];
```

@pinto For Public dass Opelagico { public states void main (string [] args) \$ Scanner entrada = new scanner (system in); System out printly ("Digite la operación que dosea hacer: \n1.08 \n2. ANO \n3 XOR');
Int operación = entrada nextInt(); System out println ("orgite la cantidad de veces que desea hacer la operco aj") Int Cantveces = entrada rextn1(): Jystem out println ("Ingrese in primer namero").

badean datoUno = entrada next Boolean (); Systemout println ("Ingrese un segundo romero"); boolean datobos = entrada neat Booleans; Switch (operación) { Case 1: Or (dato Uno, dato Dos); break; Case 2: And (datoUno, datoDos); Case 3:
Xor (dato Uno, dato Doo);
break;
default:
Jystem out pantla ("opcion incorrecta"); 3 Catch (Exception e) {
System out print In ("Digito no valido"); Entrada close(); public static work or (booten no, booleanne) {

IF (no le ne) {

System out println (true);

System out println (true);



```
felse ?
System.out.pnntln (Falso);
Public static void and (boolean ny, boolean nz) {

IF (n1 & l nz) {

System out println (true);

Jelse I (n1 | 1 | n2) {

System out println (false);

} else {

System out println (false);

}
public static void xor (booleanni, booleanni) {

if (ni llnz) {

System out println (false);

Jelse {

System out println (False);

Jelse {

System out println (False);
              3 else {
                                       System out printly (true);
```

```
while
  Import Java Util. Scanner i
  public class one logico while.
      public static void main (string [] args ) {
      Try t
            System out. println ("agite la operación que desea hacer:
            Int, operacion = entrada nextInt ();
            System out println Ciongite la contidad de veces que
             desea hocer la operacion")
            Int contleas = entrada. next Int ();
            Int 1=1;
            while (12 = cont Veces) }
                System out println ("Ingrese un primer dato");
                boplean dato uno = entrada next Boolean (T;
                system at println (Ingrese un segundo dato ");
                boolean dato bos = entrada next. Boolean();
               Switch Coparación ) f
               Care 1
                   Or (dato Uno, dato 1200);
                   breaki
                Case 2
                   AND (dato Uro, dato Dos);
                   break;
               Case 3
                 XOA (dato Uno, dato Dos);
                 break;
               default:
                    System out println ("aprior incorrecta")
              3H;
   3 Catch (Excepción e) { printlin ("Digito no valido");
    entrada close ();
public state void or (booleanns, booleanns) {
   Belse 11 (no 11 n 2) & printin (true);
            Systemout println (true);
           System at proth (False);
```

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Dia: Mes: Año: Public static void and (boolean n1, boolean n2) {

IF (n1 lln2) ;

System out println (true);

System out println (False);

Selse {

Systemout println (False);

Systemout println (False); 1 punto For Import java util scanner; Public Class CocutaPot f Public static void man (string [] args) { Scanner entrada = new Scanner (Systemin); double almacen, [] = new dable [4]; systemout.println (almacen length) System cut printle (" Orgite coatro remeros"); For (Int i=0; 1 < almacen length; i+1) almacen [i] = entrada? n'ext Double (); > 199999999999999 entrada close (); this new Exception of nomero moros o mayor de 10 digitos"); For (Int 1=0; 1 & almacen length; itt) {
System at println (Math paw (almacen [i], 4)); 3 catch (Exception e) { ir(e.getMessage() != null) {
System. art. println (e.gotrlossage()); System at println ("orgito no valido"); Jelse tuffy

```
While
Import java util scanner;
Public class cuartapot while f
      public static void main (string I J args) }
              Scanner entrodo = new scanner ( System.in);
                    double almacen [] = new double [4];
System out println ("Oigite cuatro numero");
                    int 1 = 0;
                    Int 1=03
                    while (i & almacen length) }
                            almacer [i] = entrada next bouble ();
                           IF Calmacen [i] < 1000000000 11 almacen [i]>
                                 3 (99999999) 3
                                     entrada.close().
                                    throw new Exception ("Numero monor
                                     o mayor de 10 digito");
                    while (j & almacen length) {
System out println (Math pow Calmacen [j], 4));
                          1++;
                   Joatch (Exception e) {
                            IF (e gethessage()!= null) {
System out println (e.gethessage());
                          Jelse 1
                                  System at println ("Digitono valido");
```

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G For Import Java of Scanner 3 Public class Servalores { public static void main (string [] args) { Scanner entrada = new Scanner (System in); System out println ("Digite cuatro números");
For (Int 1=0; i & almacen length; i++) {
culmacen [] = entrada next bouble (); 11- Calmacen [1] < 15.12 11 almacen [1] > 19.31) { entrada close(); throw new Exception ("nymero mero o mayor de 10 digitos"); For (Inti=0; it almacen.length; i+1) {
System out println (((almacen [,] + 100)/2)+100); I catch (Exception e) { If (e gettlessage() != null) {
System out println (e getillessage());

Jelse {
System out println ('bigito no valido");



```
(5) while
Import Java util scanner;
Public dass Seis Valores While f
     Public Static wild main (String [] args) {
             Scanner entrada = new Scanner (System in).
                    double almacen [] = new double (6] ;
System out println ("Digite custro numeros");
                     Int 1 = 0;
                      unit ) = 0; while (ixalmacen length) {
                              almacen [i] = entracta next souble ().
                             14 (almacen [i] < 15.12 11 almacen [i] , 1931) {
                                      entrada close ().
                                    throw new Exceptio Commerce memor o
                                      mayor de 10 digitos");
                             计计
                     while (j < almacen length) {
System out println (((almacen[j] = 100)/2)+100).

) ++;
             } Catch (Exception e) {

IF (ergetnlessage()!=null) {

System out println (e. getMessage());
                 Felse & System at printly ("Digito no valido");
```

tuffy

```
Mes. Año
(G) For
Import java util . Scanner;
public Class cincovalores. {
         public state void main (String [] args) {
                  Scamer entrada = new Scanner (system.n);
                     double almacen [] = new double [s];
System.out.println ("Oigite cuatro rismeo");
For (Int i = 0; 1 K = almacen leng th; 1++) {
                       almacen [i] = entrada nextovoble ():
If (almacen [i] < 7411, almacen [i] > 189
                                    11amacen [:] % 21 = 6) {
                                   entrada close ();
                                   throw new Exception ("Numero novaldo").
                           ir (almacer Ci7 % == 0) {
System. out. println ("numero valido");
             3 outch (Exception e) {
If (e getrlessage() = null) {
System out println (e getrlessage());
                       System out pointly ("Digito no valido");
```



(6) while Impart Java Util Scamer; Public class CincoValores While } public static void main (String [] args) { Scanner entrada = new Scanner (System In); double almorcen [] = new double [5]; System aut printly ("orgite Cuatro número"); Int i =0; while (i < almacen length) { almacen [i] = entrada next nouble (). if (almacen E.] 274 Il almacen [i] > 189 Il almacen [i] 0/02 != 0) entrada close (): throw new Exception ("número novalido"); 3 else IF (almacer [i] % 5 = = 9) { System.out. println ("número valido"); うナナラ 3 catch (Exception e) {
1+ (e get Hessage () != ndl) {
System and printly (e. get Hessage ()); Belse & System out println ("oigito no valido");

