**Dia 19**

BusquedaRapida

int i;

int array[] = {12, 9, 4, 99, 120, 1, 3, 10, 13};

System.out.println("Quick Sort\n\n");

System.out.println("Values Before the sort:\n");

for (i = 0; i < array.length; i++)

{

System.out.print(array[i] + " ");

}

System.out.println();

quick\_srt(array, 0, array.length - 1);

System.out.print("\nValues after the sort:\n\n");

for (i = 0; i < array.length; i++)

{

System.out.print(array[i] + " ");

}

System.out.println();

}

public static void quick\_srt(int array[], int low, int n)

{

int lo = low;

int hi = n;

if (lo >= n)

{

return;

}

int mid = array[(lo + hi) / 2];

while (lo < hi)

{

while (lo < hi && array[lo] < mid)

{

lo++;

}

while (lo < hi && array[hi] > mid)

{

hi--;

}

if (lo < hi)

{

int T = array[lo];

array[lo] = array[hi];

array[hi] = T;

}

}

if (hi < lo)

{

int T = hi;

hi = lo;

lo = T;

}

quick\_srt(array, low, lo);

quick\_srt(array, lo == low ? lo + 1 : lo, n);

}}

Final módulo

Almacen

public static void main(String[] args) {

Articulos r;

r = new Articulos();

r.pone("Manzanas");

Precio p;

p = new Precio();

p.pone(68);

System.out.println("Valor "+r.da()+ "= " + p.da());

Articulos s = new Articulos();

s.producto=("Peras");

Precio q = new Precio();

q.pesos=95;

System.out.println("Valor "+s.producto+"= "+q.pesos);

}}

Clase Precio

public class Precio {

//Atributos

public double pesos;

// Metodos

public double da(){

return this.pesos;

}

public void pone(double x) {

this.pesos = x;

}}

Clase Articulos

public String producto;

// Metodos

public String da(){

return this.producto;

}

public void pone(String y) {

this.producto = y;

}}