



ESTRUCTURA DE DATOS

1360

Estephany Cortes Tolentino

T1 Tarea 12 Version control

merge_sort.java

```
3 public class merge_sort {
76 public static void main(String[] args) {
77
78     int[] info = {38, 27, 43, 3, 9, 82, 10, 19, 50, 61};
79
80     System.out.println("\n...-.-.-.- MERGE SORT -.-.-.-");
81
82     System.out.println("\nLista de elementos: ");
83     imprimirArreglo(info);
84 }
```

Run merge_sort

```
"C:\Program Files\Java\jdk-22\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\lib\idea_rt.jar=50337:C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\bin" -Didea.config.path=C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\conf -Didea.copyright.path=C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\copyright -Didea.home.path=C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\bin -Didea.jre.path=C:\Program Files\Java\jdk-22\bin -Didea.platform.prefix=java -Didea.vendor.id=jetbrains -Djava.awt.headless=true -Djava.class.path=C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\bin\idea_rt.jar -Djava.library.path=C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\bin\lib\idea_rt.jar -Djava.util.logging.config.file=C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\bin\logging.properties -jar C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\bin\idea_rt.jar 50337

...-.-.-.- MERGE SORT -.-.-.-

Lista de elementos:
[38, 27, 43, 3, 9, 82, 10, 19, 50, 61]
Dividiendo:
Izquierda: [38, 27, 43, 3, 9]
Derecha: [82, 10, 19, 50, 61]
Dividiendo:
Izquierda: [38, 27]
Derecha: [43, 3, 9]
Dividiendo:
Izquierda: [38]
Derecha: [27]
Combinando: [38]
Combinando: [27]
Combinando: [27, 38]
Dividiendo:
Izquierda: [43]
```

Tarea 12 > src > ico > fesa > unam > mx > recursividad > merge_sort > main

83:31 CRLF UTF-8 4 spaces

Buscar

16°C Prac. despejado 01/11/2024

T1 Tarea 12 Version control

Project

Tarea 12

D:\carrera\ing\semestre 3\Tarea 12

idea

out

src

ico.fesa.unam.mx.recursividad

merge_sort

.gitignore

Tarea 12.iml

merge_sort.java

```
3 public class merge_sort {
76     public static void main(String[] args) {
77
78         int[] info = {38, 27, 43, 3, 9, 82, 10, 19, 50, 61};
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80         System.out.println("\n.-.-.-.- MERGE SORT -.-.-.-");
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82         System.out.println("\nLista de elementos: ");
83         imprimirArreglo(info);
84     }
85 }
```

Run merge_sort

Dividiendo:

Izquierda: [43]

Derecha: [3, 9]

Combinando: [43]

Dividiendo:

Izquierda: [3]

Derecha: [9]

Combinando: [3]

Combinando: [9]

Combinando: [3, 9]

Combinando: [3, 9, 43]

Combinando: [3, 9, 27, 38, 43]

Dividiendo:

Izquierda: [82, 10]

Derecha: [19, 50, 61]

Dividiendo:

Izquierda: [82]

Derecha: [10]

Combinando: [82]

Combinando: [10]

Tarea 12 > src > ico > fesa > unam > mx > recursividad > merge_sort > main

83:31 CRLF UTF-8 4 spaces

Buscar

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01:08 a. m. 01/11/2024

T1 Tarea 12 Version control

merge_sort.java

Project

Tarea 12 D:\carrera\ing\semestre 3\Tarea 12

.idea

out

src

ico.fesa.unam.mx.recursividad

merge_sort

.gitignore

Tarea 12.iml

merge_sort

3 public class merge_sort {

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

77

78 int[] info = {38, 27, 43, 3, 9, 82, 10, 19, 50, 61};

79

80 System.out.println("\n.-.-.-.-.- MERGE SORT -.-.-.-.-");

81

82 System.out.println("\nLista de elementos: ");

83 imprimirArreglo(info);

84

Run merge_sort

Combinando: [10]

Combinando: [10, 82]

Dividiendo:

Izquierda: [19]

Derecha: [50, 61]

Combinando: [19]

Dividiendo:

Izquierda: [50]

Derecha: [61]

Combinando: [50]

Combinando: [61]

Combinando: [50, 61]

Combinando: [19, 50, 61]

Combinando: [10, 19, 50, 61, 82]

Combinando: [3, 9, 10, 19, 27, 38, 43, 50, 61, 82]

Lista ordenada:

[3, 9, 10, 19, 27, 38, 43, 50, 61, 82]

Process finished with exit code 0

Tarea 12 > src > ico > fesa > unam > mx > recursividad > merge_sort > main

83:31 CRLF UTF-8 4 spaces

Buscar

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01:09 a. m. 01/11/2024