

DATA STRUCTURE AND ALGORITHMS

Classroom: Estructura de Datos SDA



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carlos.herrera@upa.edu.mx

<https://github.com/ISC-UPA/2026-1-TIID4-SDA>

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1. S01_W01

1.1. Referencias

<https://www.w3schools.com/dsa/index.php>

Book: Introduction to Algorithms, Fourth Edition, The MIT Press, 2022

1.2. Technological Requirements

Python <https://www.python.org/downloads/windows/>

<https://graphviz.org/download/>

o

[Windows Package Manager](#) provides [Graphviz Windows packages](#).

C:\> winget install graphviz

Java JDK <https://www.oracle.com/java/technologies/downloads/>

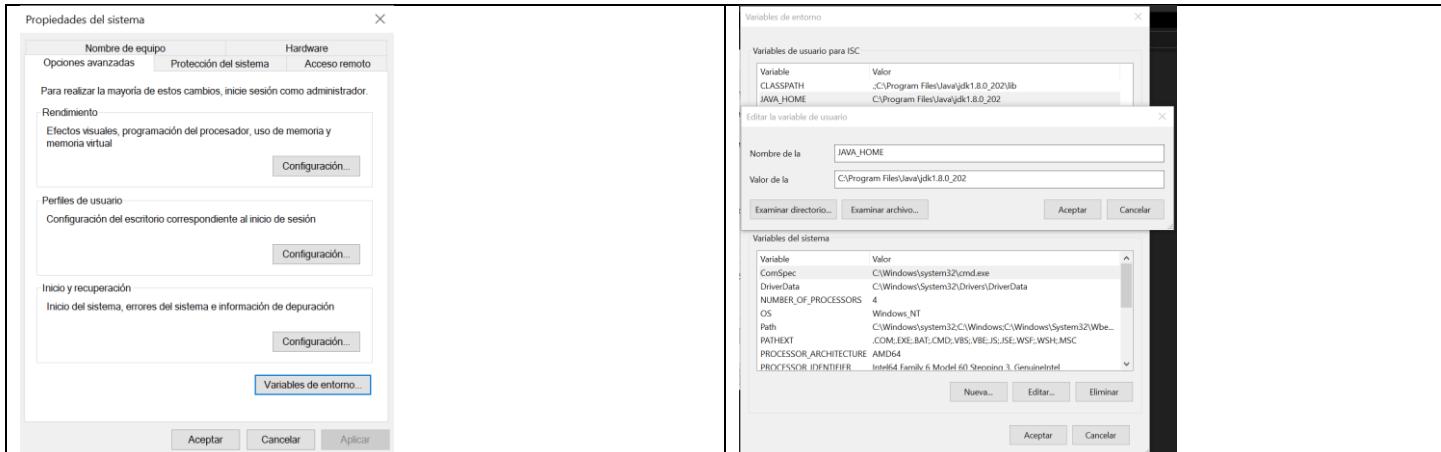
VS Code <https://code.visualstudio.com/Download>

Extensions: [Extension Pack for Java](#)

Extensions: [Python Extension Pack](#)

1.3. Variables de Entorno

1.3.1. Java



Panel de control -> Sistema -> Configuracion avanzada del sistema

Opciones avanzadas -> Variables de entorno -> Variables de Usuario

JAVA_HOME C:\Program Files\Java\jdk1.8.0_202	PATH %JAVA_HOME%\BIN
CLASSPATH . ; %JAVA_HOME%\LIB	Probar Instalación desde CMD C:\>java -version (correr) C:\>javac -version (compilar)

1.3.2. Python

GRAPHVIZ_DOT C:\Apps\Graphviz-13.1.2-win64\bin\dot.exe	PATH C:\Apps\Python313\ C:\Apps\Python313\Scripts\ C:\Apps\Graphviz-13.1.2-win64\bin
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2. S02