Python in TypeCasting (TypeConversion) has 2 types:

+ Implicit Type Conversion (Automatic)

When Python needs to promote types implicitly, it follows this hierarchy to avoid data loss:

Integer (int) can be implicitly converted to Float (float).

Float (float) can be implicitly converted to Complex (complex).

Boolean (bool) is implicitly converted to Integer (int).

+ Explicit Type Conversion (Manual)

Def is a function

Everything in Python is an object

1j = complex

What is FastAPI ?

-> FastAPI is a Web framework for developing RESTful APIs in Python. FastAPI is based on Pydantic and type hints to validate, serialize, and deserialize data and automatically auto-generate OpenAPI documents.

class Solution(object):

def search(self, nums, target):

class Solution:

def search(self, nums: List[int], target: int) -> int:

To use Conda -> Install Anaconda

Lists, Tuples, Set (DataStrcuture)

Tuples are an ordered, immutable sequences, tuples uses ()

The order of elements is preserved. : Được giữ nguyên (bảo tòn)

Set is an unordered, mutable collection of unique elements. uses {}

Lists uses [] , List and Arrays are the same

ASGI ?

-> ASGI (Asynchronous Server Gateway Interface) is a specification for Python web servers and applications that defines how they communicate. It was designed to be a successor to WSGI (Web Server Gateway Interface), allowing for asynchronous programming and handling a wider variety of protocols, not just HTTP.