What is Instantiation in terms of OOP terminology?

ANS: **Instantiation** is the process of **creating an actual object** from a class. In object-oriented programming (OOP), a **class** is like a blueprint or template, and an **object** (or instance) is a concrete realization of that blueprint.

Example:

# Parent class

class Animal:

def speak(self):

print("Animal makes a sound")

# Child class inherits from Animal

class Cat(Animal):

def speak(self):

print("Cat says Meow")

# Instantiation without constructor

my\_cat = Cat()

my\_cat.speak()