PYTHON OOP CHEAT SHEET

Object Oriented Programming Concepts in Python

WHAT IS OOP?

OOP is a programming paradigm based on the concept of objects and data. In OOP, every entity is treated as an object.

WHAT ARE CLASSES?

A class can be defined as an object's blueprint, description or definition. We can use the same class as a blueprint for creating multiple different objects. A class consists of variables and methods. A class definition should start with the __init__ method..
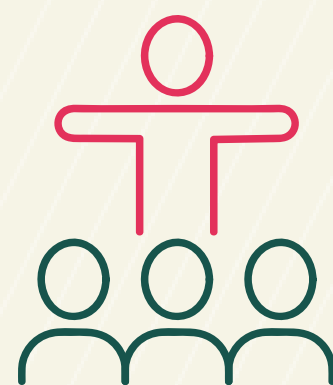
INHERITANCE

The mechanism of deriving a new class from an old one is called inheritance. The old class is called super class and the new one is called sub class.

POLYMORPHISM

Polymorphism is the property by which objects belonging to different classes are able to respond to the same message, but in different ways.

ENCAPSULATION

Encapsulation is used to restrict access to methods and variables. The code and data are enclosed within a single unit, just like a capsule, from being modified by external agents.