OOPs Concept

1. Inheritance: -

Inheritance is procedure in which one class acquire the property of another class

Ex…: A car is having multiple parts. like steering, wheels, engine...etc which binds together to form a single object that is car.

**Type C++.**

* **Single**
* **Multiple**
* **Multilevel**
* **Hierarchical**
* **Hybrid**

**Type Python:**

* **Single**
* **Multiple**
* **Multilevel**
* **Hierarchical**

**2)Polymorphism: -**

The general meaning of Polymorphism is one that has different forms. The best realworld example of polymorphism is a person that plays different roles at different palaces or situations

**Ex..** At home a person can play the role of father, husband, and so

**3)Data Abstractions:-**

It is one of the most important features of OOP. It allows us to show only essential data or information to the user and hides the implementation details from the user. A realworld example of abstraction is driving a car. When we drive a car, we do not need to know how the engine works (implementation) we only know how ECG works.

**4) Encapsulations:-** Encapsulation in Python is the process of wrapping up variables and methods into a single entity.

**Solocode:-**

We have developed a online quiz management System its is online portal management System which user can solve Quizzes and track score and performance details. Where Admin access, edit updates, delete, record of the quiz..

Where the technology can used:

Python, Django, Html, CSS, MySQL , Power Bi

First of all Django Template we are created we fetch data from the user , with help of MySQL database we store the that user data then user goes to dashboard the user selects which type of programming language quiz he want solve then h submit the test then Score get store in