VIDYABHARTI TRUST COLLEGE OF BUSINESS, COMPUTER-SCIENCE AND RESEARCH

Department of Computer Application's Newsletter

VOLUME : 2 DECEMBER-2022 ISSUE : 12

digital+

Get to know more about IT

Vidyabharti Trust, Umrakh, At & Po: Baben, Ta: Bardoli, Di: Surat, Pin: 394601.

OOPS CONCEPT IN REAL LIFE

Share, giving it value

>>Swipe

Object-oriented programming

- Object –Instance of Class
- Class –Blue print of Object
- Encapsulation –Protecting our Data
- Polymorphism –Different behaviors at different instances
- Abstraction –Hiding our irrelevant Data
- Inheritence –One property of object is acquiring to another property of object

CODEAVIAL

>>Swipe

digital+
Get to know more about IT

object
minicooper

Car
class

CODEAVIAL

Color
Weight
Speed
Model

Data members(Attributes)
Common features

startCar()
changeGear()
slowDown()
brake()

method
Common functionalities

>>Swipe

Polymorphism

In school
behave like a student

In bus
behave like a
passenger

In home
behave like a son

In shopping mall
behave like a customer

CODEAVIAI

>>Swipe

Abstraction

ATM machine

Check balance

Withdraw cash

Deposit cash

Print bill

CODEAVIAL

Even though it performs a lot of actions
it doesn't show us the process
It has hidden its process by showing only the main things
like getting inputs and giving the output.

>>Swipe

digital+
Get to know more about IT

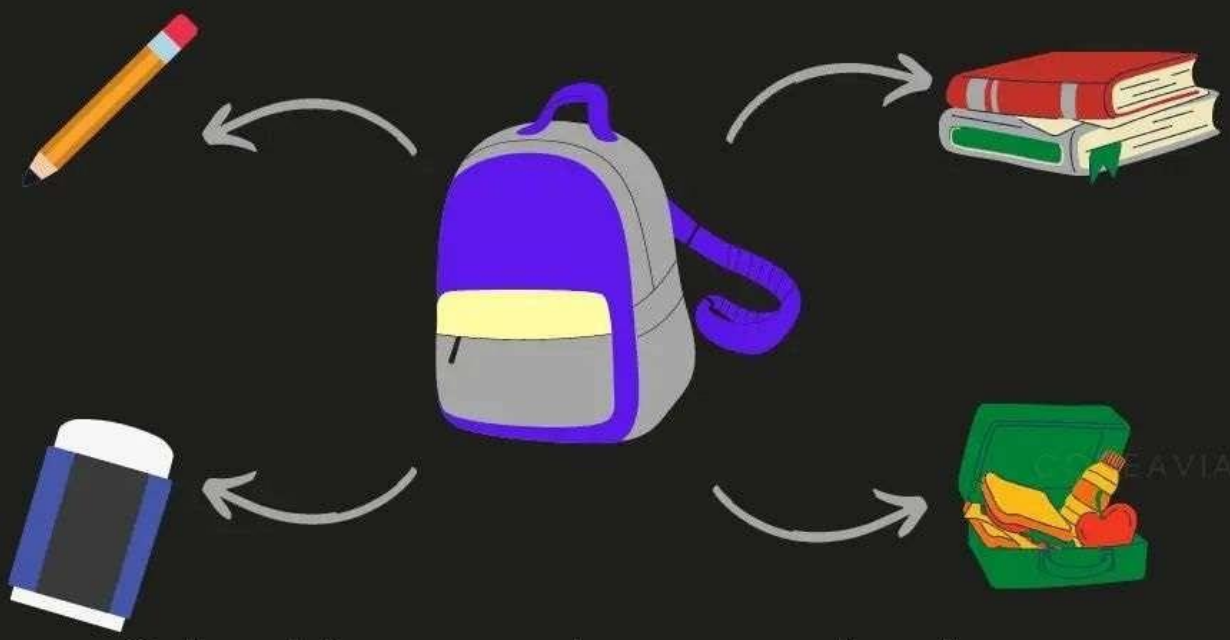
Inheritance

Mom and daughter

Some properties of mom inherits by her daughter

>>Swipe

Encapsulation



School bag can keep our book,
pen, erasers, sharpner so on..

>>Swipe