

ky aap java ke oopsa concept ko real life example se samjha sakte hai



Haan, main aapko kuch real life examples ke sath Java ke OOPs concepts samjha sakta hun.

1. Inheritance: Jaise humare desh ke raajgharane ki parampara hai, jahaan ek baap ya maa ki jaaydad unke bachchon ke liye vansh parampara ke saath sambhalti hai. Yahi baap ya maa ki jaaydad apne bachchon ko inheritance (vansh parampara) ke through dete hain. Isi tarah se, Java me bhi inheritance ke through ek class apne properties aur methods ko dusri class ko pass kar sakti hai.
2. Abstraction: Consider kare ki hum ek gadi ke driving ke liye baith gaye hain. Jab hum gadi chala rahe hote hain, to humein sirf gas pedal, brake pedal, steering wheel aur gear shift handle se hi kaam karne ki zarurat hoti hai. Humein gadi ke internal workings jaise engine, gearbox, brakes ke technical details ke bare me jyada sochna nahi padta hai. Isi tarah se, Java me abstraction ka upyog karke hum complex processes aur implementation details ko hide kar sakte hain aur sirf functionality ke bare me soch sakte hain.
3. Encapsulation: Imagine kare ki aap ek bank me kaam karte hain aur aapke paas customers ki sensitive information jaise ki unke bank accounts ke details hain. Aapko un details ko secure rakhna hai aur unauthorized access se protect karna hai. Isi tarah se, Java me encapsulation ke through hum class ke properties aur methods ko secure rakh sakte hain aur unhein unauthorized access se protect kar sakte hain.
4. Polymorphism: Jaise ek vyakti alag-alag roles aur kaam ke liye taiyaar ho sakta hai, isi tarah se Java me bhi ek class ke instances ka behavior alag-alag tarike se badal sakte hain. Yeh polymorphism ke through possible hai, jisme ek object ke behavior ko change karne ke liye different methods ka upyog kiya jata hai.

Yeh kuch examples hain jo Java ke OOPs concepts ko samjhane me help karte hain.