Question: List at least 10 Abstraction examples

Reference Example: Abstraction with Person Entity

We have a class called Person which includes many attributes:

1. Student Entity – Exam System

Shown attributes:

Name

Roll Number

Class

Subject

Marks

Ignored attributes: Address, height, weight, hobbies, family details.

2. Customer Entity – Online Shopping System

Shown attributes:

Name

Email

Mobile Number

Delivery Address

Payment Method

Ignored attributes: Education, income, religion, health details.

3. Employee Entity – Payroll System

Shown attributes:

Employee ID

Name

Department

Salary

Bank Account Number

Ignored attributes: Blood group, hobbies, marital status.

4. Patient Entity – Hospital System

Shown attributes:

Name

Age

Blood Group

Disease

Doctor Assigned

Ignored attributes: Income, education, job history.

5. Driver Entity – Cab Booking System

Shown attributes:

Driver Name

License Number

Vehicle Number

Mobile Number

Rating

Ignored attributes: Family details, education history.

6. Book Entity – Library System

Shown attributes:

Book ID

Title

Author

Category

Availability Status

Ignored attributes: Printing cost, warehouse data.

7. Bank Account Entity – Banking System

Shown attributes:

Account Number

Account Holder Name

Balance

Account Type

IFSC Code

Ignored attributes: Health details, hobbies.

8. Product Entity – Inventory System

Shown attributes:

Product ID

Product Name

Price

Stock Quantity

Supplier Name

Ignored attributes: Manufacturing employee details.

9. Teacher Entity – School Management System

Shown attributes:

Name

Subject

Employee ID

Experience

Contact Number

Ignored attributes: Salary history, personal interests.

10. Flight Entity – Airline Booking System

Shown attributes:

Flight Number

Departure City

Arrival City

Departure Time

Seat Availability

Ignored attributes: Maintenance staff details.