Drives -dependency

Car

-color:text

-model:text

Employee

-name:text

-age: int

Has a

Association

EmpClient

UI

Business Layer

Employee

Employee sam = **new** Employee();

stack

sam

name age

Heap memory

Car car1 = new Car(“blue”,”Blue Alto”);

Create a class Car with color and model as attributes.

Generate constructors,getters and setters

George has and drives to ABC Ltd,Bangalore in his blue alto car.

Smith has and drives to XYZ Ltd ,Hyderabad in his red santro car

Create a class Company with attribute (name,location)

company - Employee

company - Client

reference

ABC Ltd

Bangalore

Static members

Employee -- empid,name,age,dob -- instance variables -- sam,peter,john

Class Employee

{

private static int count;

public String getName(){ …} // instance method

}

public static void printCount(){ ..}

Static methods can call /access static members within the same class or with the class name in a different class.

Integer.parseInt();

Date d=new Date();

d.getYear();

Method Overloading : 2 or more methods with same name but different signatures.

Static /compile time polymorphism

Inheritance – A family of Classes – Reusability

Person

name,address

Not supported

C

B

A

Privileged Customer

Is -a

Teacher

Student

extends

Customer

public class Pearl

{

//color size shape

}

public class Necklace

{

// array of Pearl

}