



Develop a hierarchy of the department of college.

- i. Use interfaces, Abstract classes and Concrete classes wherever applicable.
- ii. Person is the superclass for all the people, while student and faculty are the subclasses of Person. Person can implement an IPerson interface.
- iii. A Faculty is a Salaried type(interface).
- iv. A student class will be extended by Undergrad or Graduate subclass.
- v. Similarly Faculty can be of UnderGrad or GradType. Faculty may also be of Temporary type (Interface).

## **Abc Shop Inventory Management**

Abc shop deals with trading of various products. Every product has product id, product name and serial number. Some products like Microsoft Office , Tally etc. has different system requirements like OS, Memory and also needs license key. Shop also deals with products like Computers, Laptops, Car-Deck, Home Theater systems which has different dimensions, capacity, brand, power supply requirements, battery backup, etc. Develop hierarchy of various products Abstract classes, Concrete classes and Interfaces as applicable.

(Note : Use appropriate additional fields wherever required.)

Implement this hierarchy using Java and Print Information of all products with the help of Array.

|