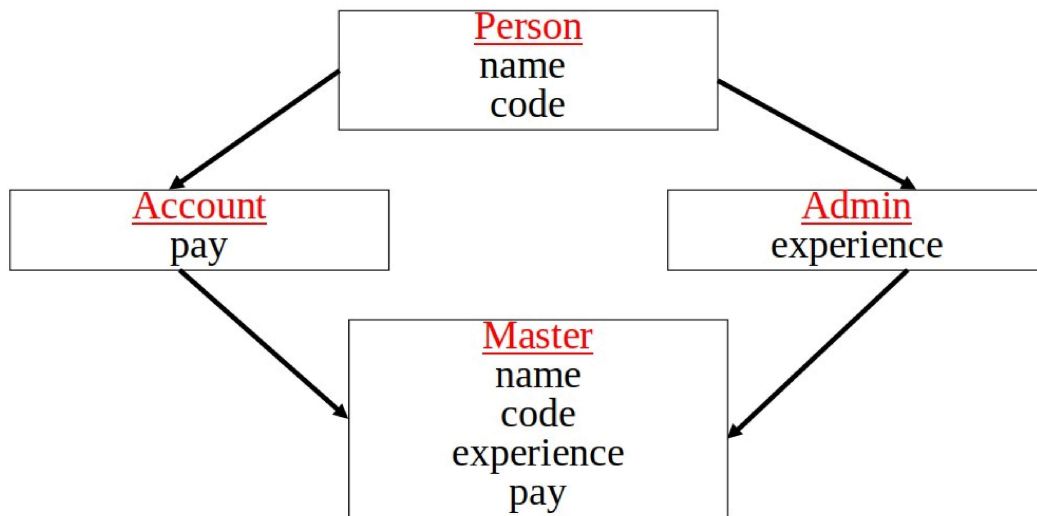# GLS UNIVERSITY
Msc.IT PROGRAMME [SEMESTER-I]
SUBJECT: OBJECT ORIENTED PROGRAMMING FOR PYTHON LABORATORY

TASK - 7

DATE: 5 OCTOBER 2023   TASK DEADLINE: 12 OCTOBER 2023

1. Write a python program for creating Student Management System.

2. Write a python program to create a Employee management System.

3. Write a python program to demonstrate the concept of lambda function for finding the multiple of 7 from the list and adding 10 to all the members of the list.

4. Write a python program to demonstrate the concept of method overloading. Write three functions named surface area() for calculating the surface area of cube, sphere and cylinder.

5. Write a python program to implement the following hierarchy

6. Write a python program for creating class **Vehicle** with members Model no, type and price. Derive class car and bike from class vehicle. Class car has members engine number, color and fueltype. Class Bike has members as machine CC and mileage. Write proper constructors and display functions to display all the dettails.

7. Write a Python program to filter a list of integers using Lambda into positive, negative and zero numbers. (Create three different lists and display).