

Assignment 5

Q1. Implement following classes. Test all functionalities in main().

Create a class Date with data members day, month and year.

Create a class Person with data members name, address and birthdate. The birthdate should be of type date.

Create a class Employee with data members id, sal, dept and joining date. The joining date should be of type date.

Employee class should be inherited from Person.

Implement the above class as per the class Hierarchy and test the functionalities.

Q2. A shop sells book or tapes. The Book class holds id, title, author, and price; whereas Tape class holds id, title, artist, and price. There is 5% discount on tapes, while 10% discount on books.

Assuming that each user purchase 3 products (either book or tape), calculate final bill. The program should be menu driven and should not cause memory leakage.

Hint -> Create class Product and inherit into Book and Tape. Also array should be created of Product*