Computer Programming Paradigm Lab
Lab Experiment No 3

Roll No.____   Batch_____

Aim: Implement Dynamic Binding

Problem Statement

Write a program to design a class representing the information regarding digital libraries having *books* and *tapes*. Book and Tape class are derived from a common class called Media. (Think over data members of Media)

Class Book

Data Members - title, price, pages

Member functions -   Parameterized constructors
                    -   Display book details

Class Tape

Data Members - title, price, time (length of tape)

Member functions -   Parameterized constructors
                    -   Display tape details

The program should demonstrate Runtime Polymorphism. (**Hint: Use virtual function**)

Theory:
1. What is Dynamic Binding?
2. What is run time polymorphism?
3. Explain virtual functions with examples.
4. What are pure virtual functions?

Program: code

Output: Snapshot of output