## \* Assignment 3 \$

Title: -

invertance display data and data member and uses the concept of exception handling.

problem statement:

Imagine a publishing company which does marketing for book and audio create a dass publication that stores the title, price of publication from this class devue two dasses books which adds a page (ount and type which add a playing time in minute, write a program that indicates the book and type class allows user to enter data and display the data member. If an exception is caught, replace au the data member value with zero values.

présequisite: objet oriented programing

objectives: To learn the concept of inheritance and exception handling.

Theory:

Inheritance: Inheritance in oop can be described as a process of creating new days for existing dass that is "Parent" a new dass is called as base class.

Syntax; -

class Derived class: access specifia, Base class.

There are three access specifies.

Namely public, private and protected

Type of inhaitance'-

Osingle Inheritance

@ Multiple Inheritance

(3) Hierachial Inheritance.

a) Multilevel inhexitance

6) Hyprid Inhertence

Exception Handing'-

exception Handling is a part of cH and object oriented programming. They are added in cH to handle the inwanted situation during program execution, it we do not type the program corretty then at night result in error Main purpose of exception handly is to identify and report the runtime error in the brodram.

egi- divide by zero: array index out of bound error, file not found, device

facilitie:- linux operating system, 6+4.

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Algorithm :-Step 1: Start Step 2: Greate classe publication book and tope Step 3: publication class having data member title, price. Step 4: class book having data member page and member function get data (1 and put data(). steps: class Tape having data member min cetes and member junction geldate() and put data(1. step 6: Greate an objet of class book and object of class type. 5+ep7: 3+ap.

Condusion'- Hence we have successfully 8 tudied concept of inheriteence and exception Handling.