

Lab 08 Tasks: Inheritance

TASK 1:


Write a program for **multiple inheritance** which has base classes **BasicInfo** and **DeptInfo** and derived class **Employee**. Derived class employee get basic info from the basic classes using inheritance.

BasicInfo: data members **name**, **empId**, **gender** and member function **getBasicInfo()**.

DeptInfo: data members **deptName**, **assignedWork**, **time2complete** and function **getDeptInfo()**.

Employee: only member functions **getEmployeeInfo()** and **PrintEmployeeInfo()**

Sample out:

 E:\giki\GA_duty\online-classes\section-D\tasks\tasks-solutions\labF11_t1.exe

```
Enter employee's basic info:
Enter Name: shahid Khan
Enter Emp. Id: 2129999
Enter Gender: M
Enter employee's department info:
Enter Department Name: FCSE
Enter assigned work: Lab
Enter time in hours to complete work: 4
Employee's Information is:
Basic Information...:
Name: shahid Khan
Employee ID: 2129999
Gender: M

Department Information...:
Department Name: FCSE
Assigned Work: Lab
Time to complete work: 4

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Process exited after 31.37 seconds with return value 0
Press any key to continue . . .
```

Task 2:

Assume that you are working with a film streaming company as a C++ developer. The company wants you to write C++ program which initialize a list of movies (see the table below). The list consists of 5 movies where each movie is represented by 3 fields: movie name, genre and IMDB ratings. Your code must provide the following functionalities:

1. User can search movies by name
2. User can find highest rated movie along with its details
3. User can see the list of all movies

Your program must draw a menu for above options where the user is repeatedly asked for his choice until the user selects exit option from the menu.

Sample output:

Movie name	Genre	IMDB ratings
Inception	Action	8.8
Peter Pan	Adventure	7.3
The Dark Knight	Crime	9
Desperado	Thriller	7.2
Pulp Fiction	Crime	8.9