

ASSIGNMENT -3

Assignment objectives:-

1. OOPS
2. Classes

1. Create class **movies** with following automatic properties
 - A. MovieId
 - B. MoveName
 - C. Actor
 - D. Actress

Create a function by name **Showdetails**, which prints all moviedetails

From main create two objects and initialize two movie details and display both movie details.

2. Create class **car**
 - a. Identify properties of car and create automatic properties for same
 - b. Create method by name **displaycardetails** to display all car details
3. Create class myteam
 1. Teamid
 2. Teamnames (make team names as array)

Create method by name **printteamdetails** to display all team details

4. Create **Student** class with following automatic properties

- A. Studentid
- B. StudentName
- C. Marks(out of 800)

1. Create **GetDetails()** Method to print id , name and marks with first class , second class or fail

2. Create an instance of student class from main method

>60 First <60 > 50 Second < 50 Fail

5. Create class **Students** with following Details to store up to 5 students data (make Students class as an array from main)

- 1. Studentid
- 2. StudentName
- 3. Marks (4 Different Marks out of 100)

A. **GetDetails()** Method to print id , name and marks with first class , second class or fail

- a. >60 First class
- b. between <60 and > 50 Second class
- c. < 50 Fail

B. Create a Method **GetById** to Lists student by ID

C. Create a Method **GetFirstClassDet** to List all the students with first class

D. Create a Method **GetByChar** to list all the student name which starts with S

Create an instance of students class from main method

6. Develop any code to demonstrate multi-level inheritance

Class a
SomeMethod1

Class b:a
SomeMethod2

Class c:b
SomeMethod3

From main create object class c and call methods of class a and class b