

Object Oriented Programming (Java) Lab (CS 413)

Assignment - 07

Due date: 25.02.2021

1. (a) Design two interfaces Player and Game of **package Match** with following methods.

Player: setName(String), getName(), getStatistic(), setStatistics(obj)

Game: playGame()

Implement these interfaces with classes football, cricket, basketball.

Basketball will inherit properties of football class.

Each game should be played between two teams(clubs) with atleast four player in each side.

- (b) Design Salary interface of package **Payroll** with club name and pay detail of each player.

Implement these interface with class paydetail.

Design class Play which will take details of different players (for a match) as input and display their detail statistics as output.

Submit on or before the due date (26.02.2021) by sending the necessary files (program file, input file, output file etc.) to cs312submit@gmail.com in a single mail as a simple attachment.