

## ICS202 QUIZ#1 (Term 071)

Duration: 20 minutes

ID#: \_\_\_\_\_

NAME: \_\_\_\_\_

Suppose there is a class called `Player` as described below.

```
public class Player implements Comparable{
    private String Name;
    private double AverageGoals;
    private int GoalsInGames[10];
    public Player(String N, , int[] goals)    {
        Name = N;
        for(int i = 0; i < 10; i++)
            GoalsInGames[i] = goals;
    }
    public int getName (){
        return Name; }
    ....
}
```

1. Write a visitor class called `Average` that extends the `AbstractVisitor` class. This visitor should find the average number of goals per game for each player objects it visits and set the player's `AverageGoals` field to this value .

2. Write a visitor class called `BestPlayer` that extends the `AbstractVisitor` class. This visitor should save the player with the highest `AverageGoals`. The visitor should provide a function to return this player.

