Polymorphisim Activity

Running

- -distance: double
- +GetDistance(): double +SetDistance(): String

Math Hints:

- Distance (*km*) = swimming laps * 50 *l* 1000
- Distance (*miles*) = swimming laps * 50 / 1000 * 0.62
- Speed (mph orkph) = (distance I minutes) * 60
- Pace (min per mile ormin per km)=
 minutes I distance
 - Speed = **60** / pace
 - Pace = **60** / **speed**

Activity

- -date: DateTime-length: double-name: String
- +Activity(): Activity
- +GetDate(): String
- +SetDate(): void
- +GetLength(): double
- +SetLength(): void
- +GetName(): String
- +SetName(): void
- +GetSummary(): String
- -CalculateDistance(): double
- -CalculateSpeed(): double
- -CalculatePace(): double

Cycling

-speed: double

+GetSpeed(): double

+SetSpeed(): double



Swimming

-laps: int

+GetLaps(): int

+SetLaps(): void