

Activity

\_date : private string  
\_lenght : private double

Activity : public (constructor)  
(constructor for the Activity class)

GetCurrentDate : public string  
(get the current time)

GetLenght : public double  
(get the activity lenght)

GetDistance : public virtual double  
(calculate the total distance)

GetSpeed : public virtual double  
(calculate the total speed)

GetPace : public virtual double  
(calculate the total pace)

MakeSummary : public virtual void  
(combine all info into a summary)

RunningActivity

\_distance : private double

RunningActivity : public (constructor)  
(constructor for the RunningActivity class)

GetDistance : public overwrite double  
(calculate the total distance)

GetSpeed : public overwrite double  
(calculate the total speed)

GetPace : public overwrite double  
(calculate the total pace)

MakeSummary : public overwrite void  
(combine all RunningActivity info into a summary)

CyclingActivity

\_speed : private double

CyclingActivity : public (constructor)  
(constructor for the CyclingActivity class)

GetDistance : public overwrite double  
(calculate the total distance)

GetSpeed : public overwrite double  
(calculate the total speed)

GetPace : public overwrite double  
(calculate the total pace)

MakeSummary : public overwrite void  
(combine all CyclingActivity info into a summary)

SwimmingActivity

\_laps : private int

SwimmingActivity : public (constructor)  
(constructor for the SwimmingActivity class)

GetDistance : public overwrite double  
(calculate the total distance)

GetSpeed : public overwrite double  
(calculate the total speed)

GetPace : public overwrite double  
(calculate the total pace)

MakeSummary : public overwrite void  
(combine all SwimmingActivity info into a summary)