Class Hike

java.lang.Object
    Hike

```
public class Hike
extends Object
```

Constructor Summary

Constructors

Constructor	Description
Hike(String name)	
Hike(String name, double miles)	
Hike(String name, double miles, int elevation)	A constructor for the Hike class

Method Summary

All Methods   Instance Methods   Concrete Methods

Modifier and Type	Method	Description
Hike	getChallenging(Hike h)	
double	getElevation()	Gets the elevation gain of this hike
double	getMiles()	Gets the miles in this hike
String	getName()	Gets the name of this hike
boolean	isHigherThan(Hike h)	Determines if the current hike has more elevation gain than another
boolean	isLongerThan(Hike h)	Determines if the current hike is longer than another hike
String	toString()	Return the string representation of the hike

Methods inherited from class java.lang.Object

clone , equals , finalize , getClass , hashCode , notify , notifyAll , wait , wait , wait

Constructor Details

Hike

```
public Hike(String  name,
            double miles,
            int elevation)
```

A constructor for the Hike class

Parameters:

name - The name of this hike

miles - The length of this hike in miles

elevation - The elevation gain of the hike in feet

Hike

```
public Hike(String  name)
```

Hike

```
public Hike(String  name,
            double miles)
```

Method Details

getName

```
public String  getName()
```

Gets the name of this hike

Returns:

the name of the hike

getMiles

```
public double getMiles()
```

Gets the miles in this hike

Returns:

the length of the hike in miles

getElevation

`public double getElevation()`

Gets the elevation gain of this hike

Returns:

the elevation gain in feet

isLongerThan

`public boolean isLongerThan(Hike h)`

Determines if the current hike is longer than another hike

Parameters:

h - The hike to use in the comparison

Returns:

true if the current hike is longer

isHigherThan

`public boolean isHigherThan(Hike h)`

Determines if the current hike has more elevation gain than another

Parameters:

h - The hike to use in the comparison

Returns:

true if the current hike has more elevation gain

getChallenging

`public Hike getChallenging(Hike h)`

toString

`public String  toString()`

Return the string representation of the hike

Overrides:

`toString` in class `Object`

Returns:

Describes the name, miles, and elevation of the hike