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| MonmouthBeach | |
| * beachName: String | Name of beach |
| * townName: String | Name of town |
| * zip: int | Zip code of town |
| * phoneNumber: long | Phone number of beach |
| * dailyFee : double | Fee for entering beach |
| * lifeguard: boolean | True if lifeguard attended beach |
| * parkwaySouthExit: String | Exit on GSP-S |
| * parkwayNorthExit: String | Exit on GSP-N |
| * latitude: double | Latitude |
| * longitude: double | Longitude |
| * website: String | Site URL |
| + MonmouthBeach() | No-arg contructor; defaults to data for Allenhurst |
| + MonmouthBeach(all attributes) | Constructor that initializes all attributes |
| + getBeachName: String | Returns beach name |
| + getTownName: String | Returns town name |
| + getZip: int | Returns zip code |
| + getPhoneNumber: int | Returns phone number |
| + getDailyFee : double | Returns daily fee |
| + hasLifeguard: boolean | Returns true/false if lifeguard attended |
| + getParkwaySouthExit: String | Returns GSP-S exit |
| + getParkwayNorthExit: String | Returns GSP-N exit |
| + getLatitude: double | Returns latitude |
| + getLongitude: double | Returns longitude |
| + getWebsite: String | Returns beach website URL |
| + setBeachName: void | Sets beach name |
| + setTownName: void | Sets town name |
| + setZip: void | Sets zip code |
| + setPhoneNumber: void | Sets phone number |
| + setDailyFee : void | Sets daily fee |
| + setLifeguard: void | Sets true/false if lifeguard attended |
| + setParkwaySouthExit: void | Sets GSP-S exit |
| + setParkwayNorthExit: void | Sets GSP-N exit |
| + setLatitude: void | Sets latitude |
| + setLongitude: void | Sets longitude |
| + setWebsite: void | Sets website URL |
| + toString(): String | Returns a string in following format: “<beachName> in <townName>, NJ <zip>. Phone: <phoneNumber>, Entry Fee: <dailyFee>, Is/is not guarded, GSP-N exit <parkwayNorthExit>, GSP-S exit <parkwaySouthExit>, located at <latitude>, <longitude>. URL: <website>” |
| compareTo(beach: MonmouthBeach) : int | Compares the latitude of the beach to another beach. If the non-parameter beach is further north (latitude higher than parameter), a -1 is returned. If the non-param beach is further south a 1 is returned. If latitudes are equal a 0 is returned. |
| + displayContactInformation(): void | Displays the site URL, phone number, and general location for use of the user. **This is the “non trivial processing” method.** |