

Anonymous Object in a Return Statement

Write a method `createProduct` that returns an anonymous object of a class `Product` (with properties `name` and `price`). Call the method and print the product details.

Hint:

- Define a `Product` class with `name` and `price` as attributes.
- Create a method `createProduct` that returns an anonymous `Product` object.
- Call the method and print the details of the returned object.

Create an extension method for the `string` type that counts the number of words in a string. For example, for the string `"Hello, world!"`, the method should return `2`.

Create an extension method for the `int` type that checks if the number is even. The method should return `true` if the number is even and `false` otherwise.

Create an extension method for the `DateTime` type that calculates the age of a person based on their birthdate. The method should return the age as an integer.

Create an extension method for the `string` type that reverses the string. For example, for the string `"hello"`, the method should return `"olleh"`.