2025-03-06

## Warm-up Exercises

## Questions

1. In C# each class you create becomes a new type and you can create objects of this type.

* Yes
* No

1. What is “an instance of the class”?

Solution

An instance of a class is an object created using the class as a blueprint.

1. Write a statement that creates a new object from the Rectangle class.

Solution

Rectangle myRectangle = new Rectangle();

1. Do different objects from the same class share an instance variable?

Solution

No, each object contain instance variables separate from those of other objects.

1. Suppose we have a Circle class containing

public void SetRadius(double RadiusArgument)  
{  
 radius = RadiusArgument;  
}

Write a statement that creates a Circle object, and one statement that sets its radius to 3.5.

Solution

Circle circle1 = new Circle(); circle1.SetRadius(3.5);

## Problems