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## 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