

# 365 DataScience Defining classes in Python

## Step 1 Create and design a class

```
# Create a class called Patient.  
# 'object' is the class from which all other classes inherit.  
class Patient(object):  
  
    # In a docstring, describe what the purpose of the class is.  
    ''' Register a patient in a medical centre '''  
  
    # The pass-statement. Allows us to create an instance of the 'Patient'  
class without crashing.  
    pass
```

## Step 2 Create an object - an instance of the Patient class

```
x = Patient()
```

## Step 3 Store variables in the Patient object

```
# Store the name and the age of the Patient  
x.name = 'Alice'  
x.age = 42
```

## Step 4 Retrieve information from the object

```
# Retrieve information from the object  
x.name, x.age
```

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