Package, in simpler words - folder where your class lives in Static field - field which can package io.codelex.syntax; be considered global for all instances of dogs Class declaration Static field declaration, given type of String and name DOG_EMOJI. Uppercase because it is static & final - constant /** ALWAYS matches constructor name * Basic class syntax example public class Dog { "\uD83D\uDC15"; private static fin Instance variables private String name; - has a type and name defined private int age; Constructor, there can be no argument or argument (as in example) public Dog(String name, int age) { constructors which can accept values. It is used for the creation of new objects. this.name = name; this.age = age; Methods - desribes behaviour of the dog. Method which returns double and accepts int parameter public double calculateAgeInDogYears(int return (double) age / coefficient; Method which is not returning anything and does not need an argument public void introduce() { to be called also System.out.println("Hello! This is dog, my name is " + name + " and I am " + age + " years old " + DOG EMOJI); Static method - this method public static void main(String[] args) does not belong to the current dog int coefficient = 7; Calling method on bob object We are using a constructor to Dog bob = new Dog("Bob' and passing previously create new instances of dogs defined argument bob.introduce(); double ageInDogYears = bob.calculateAgeInDogYears(coefficient) System.out\println("Bob's age in dog years is " + ageInDogYears); Calling no argument method } on previously created bob object

Assigning value of newly created dog to a variable named bob of type Dog