← <u>Classes and Objects in Java</u> →

→ Class :

Class is a blueprint which defines properties and behaviors.

→ Object :

Objects is an instance of a class which has those properties and behaviour attached.

[•] A class can contain 2 things; ① Data Member
② Method / Function

[•] Class is always a non premitive Data Type.

[•]

To create an object in java

⇒ Suppose we have a Dog class.

Dog d1 = new Dog();

Class Name   Reference   ↓
               Name   Constructor

                      New keyword
                      is used to
                      define a new
                      object

→ <u>Memory allocation</u> of Class and object:

  Class • it is not allocated memory when it
      is defined.

  Object • An object is allocated memory when
      it is defined.

     • All the objects were stored in Heap
      memory.

→ <u>Entity</u>

   • Class is a logical entity.

   • Object is a Physical entity.

→

  [•] A class is a way to arrange data and
   behaviours informations.

  It is a template that must be implemented
  by its objects.