Difference between object and class

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| **No.** | **Object** | **Class** |
| 1) | Object is an **instance** of a class. | Class is  a **blueprint or template** from which  objects are created. |
| 2) | Object is a **real world entity** such as pen, laptop, mobile, bed, keyboard, mouse, chair etc. | Class is a **group of similar objects**. |
| 3) | Object is a **physical** entity. | Class is a **logical** entity. |
| 4) | Object is created through **new keyword** mainly e.g. Student s1=new Student(); | Class is declared using **class keyword**e.g. class Student{} |
| 5) | Object is created **many times** as per requirement. | Class is declared **once**. |
| 6) | Object **allocates memory when it is created**. | Class **doesn't allocated memory when it is created**. |
| 7) | There are **many ways to create object** in java such as new keyword, newInstance() method, clone() method, factory method and deserialization. | There is only **one way to define class**  in java using class keyword. |

There are many differences between object and class. A list of differences between object and class are given below:

Let's see some real life example of class and object in java to understand the difference well:

**Class:** Human **Object:** Man, Woman

**Class:** Fruit **Object:** Apple, Banana, Mango, Guava wtc.

**Class:** Mobile phone **Object:** iPhone, Samsung, Moto

**Class:** Food **Object:** Pizza, Burger, Samosa