## How to create basic custom annotation?

* Annotations are created by using @ sign, followed by the keyword interface, and followed by annotation name
* Members can be decleared as shown in the example, it looks like methods. The example defines two members called name and desc. We should not provide implementation for these members.
* All annotations extends java.lang.annotation.Annotation interface. Annotations cannot include any extends caluse.

### Points to remember for java custom annotation signature

1. Method should not have any throws clauses
2. Method should return one of the following: primitive data types, String, Class, enum or array of these data types.
3. Method should not have any parameter.
4. We should attach @ just before interface keyword to define annotation.
5. It may assign a default value to the method.

#### Types of Annotation

* Marker Annotation: An annotation that has no method, is called marker annotation

@Override and @Deprecated are marker annotations.

* Single-Value Annotation: An annotation that has one method, is called single-value annotation

Defining annotation:  
@interface MyAnnotation{ int value(); } We can provide the default value also. For example: @interface MyAnnotation{ int value() default 0; } Applying annotation @MyAnnotation(value=10)

* Multi-Value Annotation:
* Defining annotation:  
  @interface MyAnnotation{ int value1() default 1; String value2() default ""; String value3() default "xyz"; } Applying annotation @MyAnnotation(value1=10,value2="Sivaram Prasad",value3="Chirala")