



# Basic Doctrine2 Mapping (Annotations) Cheat Sheet

Legend: **bold**: required attributes. [ s ]tring, [ a ]rray, [ i ]nteger, [ b ]oolean

## @Entity

repositoryClass: FQCN: Subclass of the Entity Repository  
readOnly: Not considered for change-tracking

## @Table

[ s ] **name**: Table's name  
[ a ] indexes: Array of @Index  
[ a ] uniqueConstraints: Array of @UniqueConstraint

## @Index

[ s ] **name**: Index name  
[ a ] **columns**: Array of columns

## @UniqueConstraint

[ s ] **name**: Index name  
[ a ] **columns**: Array of columns

## @Id (Use it before @Column)

Annotation denotes a column that is Primary Key

## @GeneratedValue (Use it after @Column for @Id)

[ s ] **strategy**: name of the identifier generation strategy.

Possible values:

AUTO, SEQUENCE, TABLE, IDENTITY, UUID, CUSTOM  
and NONE

## @Column

[ s ] **type**: Data type. See below  
[ s ] name: Column's name  
[ i ] length: Max length for strings  
[ i ] precision: Precision for decimals  
[ i ] scale: Scale for decimals  
[ b ] unique: If the column is unique  
[ b ] nullable: If the column allows null values

## type

Value	Database equivalent
string	VARCHAR
integer	INT
smallint	SMALLINT
bigint	BIGINT
boolean	BOOLEAN/TINYINT
decimal	DECIMAL
date	DATETIME
time	TIME
datetime	DATETIME/TIMESTAMP
datetimetz	DATETIME/TIMESTAMP
text	CLOB
object	CLOB (using [un/]serialize)
array	CLOB (using [un/]serialize)
simple_array	CLOB (using [im/ex]plode)
json_array	CLOB (using [json_en/de]code)
float	FLOAT
guid	GUID/UUID
blob	BLOB

## Examples

SQL:

```
CREATE TABLE foo (  
  id INT NOT NULL AUTO_INCREMENT,  
  name VARCHAR(120) NOT NULL UNIQUE,  
  PRIMARY KEY(id)  
);
```

