**Task 5:**

**A college runs several evening classes. Each class may be taught by several teachers, and a teacher may teach several classes. A particular class always uses the same room, but several classes may use the same room at different times.**

**Step 1: Underline all nouns in the text above and list them below:**

* Classes
* Teacher
* Room
* college

**Step 2: Ask yourself is your noun**

* **an attribute of an entity, or**

**Answer :** No

* **an occurrence of an attribute or**

**Answer :** No

* **an entity, which would have more than ONE occurrences and it is relevant to our system (case study)**

**Answer:** yes . 3 noun are my entity i.e class, teacher, room.

**Step 3: List below your entities and check your final list with your tutor**

**Answer :**

* class
* teacher
* room

**Step 4: For each entity create a table defining attributes and occurrences**

**Entity Name :** class

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **attributesName** | classid |  |  |  |  |  |  |  |
| **Occurrences** | **C100** |  |  |  |  |  |  |  |
| **Occurrences** |  |  |  |  |  |  |  |  |

**Entity Name :** teacher

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **attributesName** | Teacher\_id | Name | Address | email |  |  |  |  |
| **Occurrences** | T100 | Ram | Baneswor | abc@hotmail.com |  |  |  |  |
| **Occurrences** |  |  |  |  |  |  |  |  |

**Entity Name :** Room

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **attributesName** | Room\_id | Room\_floor |  |  |  |  |  |  |
| **Occurrences** | r100 | 2 |  |  |  |  |  |  |
| **Occurrences** |  |  |  |  |  |  |  |  |

**Step 5: Draw your ERD, by defining entities, relationships, relationship names cardinality.**