**Entity & Referential Integrity**

**Learning goal: gain an understanding of entity and referential integrity.**

**Fill in the blanks using words from the table below.**

**Entity integrity** and referential**integrity** are two forms of data**integrity** that are particularly important in relational databases.

Entity integrity is concerned with**ensuring that each \_row\_ of a \_table\_ has a \_unique\_ and \_non-null\_ \_primary key\_ value.**

In Relational Database Management Systems (RDBMS) referential integrity can be enforced by working with **\_primary\_** and **\_foreign\_** keys. Each **\_foreign key\_** must have a corresponding **\_primary key\_**  so that reference from one table to another must always be valid. **\_ Referential integrity\_** ensures that **\_relationships\_** between **\_tables\_** remains **\_consistent\_**.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **~~primary key~~** | **~~tables~~** | **~~consistent~~** | **~~non-null~~** | **~~primary key~~** |
| **~~primary~~** | **~~foreign~~** | **~~foreign key~~** | **~~Referential integrity~~** | |
| **~~unique~~** | **~~table~~** | **relationships** | **~~row~~** |  |