

- **E.value** The value of the entity.
- **E.field('fieldname')** The value of the entity field called 'fieldname'.
- **E.weight** The value of the weight of the entity.
- **T.setting('settingname')** The value of a transform setting. These are defined in the transform settings section and are per transform, not per entity.

Typical use:

```
SELECT username, address, phone FROM table
```

```
WHERE username = '$$E.value$$' AND phone LIKE '%$T.setting('phone')$$%'
```

Note that **everything** between the tokens '\$\$' are seen as Maltego inputs.

Mapping the SQL output to nodes in Maltego is done as follows:

```
{node1}{node2}..{nodeN}
```

Where a node is defined as follows:

```
{NodeParam1 = 'Value1'; NodeParam2 = 'Value2'; ...NodeParamN = 'ValueN';}
```

The following parameters can be set:

- **E.type** The entity Type. This have to correspond with the Maltego type defined in the client application (GUI).
- **E.value** The value of the node.
- **E.field('FieldName')** Setting a field within the entity.
- **E.weight** The weight value of the entity.

There are two ways of setting values for parameters:

- **\$0...\$N** Corresponds to the column number of resultant SQL query. Note that **numbering starts at zero (0)**.
- **\$columnname** Where column name is the name of the column as in the SQL query

Thus, **typical use** – assume a query as follows:

SQL query: `SELECT registration, vin, owner, SSN FROM cars WHERE owner = '$$E.value$$'`

Mapping: `{E.type = CarEntity; E.value = '$registration'; E.field('vin') = '$vin';}`
`{E.type = Person; E.value = '$owner'; E.field('SSN') = '$SSN';}`

This would result in 2 types of entities – a CarEntity (if defined within the client), and a Person entity. The same mapping could also be written with column numbers as follows (note that numbering starts at zero):

```
{E.type = CarEntity; E.value = '$0'; E.field('vin') = '$1';}
```

```
{E.type = Person; E.value = '$2'; E.field('SSN') = '$3';}
```

The minimum requirement for an entity is a type and a value. As an example:

SQL query: `SELECT phone FROM mytable WHERE name = '$$E.value$$'`

Mapping: `{E.type = PhoneNumber; E.value = '$0';}`