

02.2 ENUMS - KIRKYAGAMI

```
CREATE TABLE example (
  mood ENUM('Happy', 'Sad')
);
```

ENUM is a string object in MySQL. It represents one value from a list of predefined values. It used for a column that can have only a certain set of values.

```
INSERT INTO example (mood) VALUES ('Happy');
```

```
SELECT mood FROM example;
```

BENEFITS

- > Reduces invalid data entry
- > Useful for columns with a limited set of values that rarely change
- > It gives static choices for the column
- > More efficient than VARCHAR for small, fixed sets
- > Indexes can be created to enhance query performance, this will greatly help if the column is frequently used in the where clause or as Join Keys

```
CREATE INDEX idx_mood ON example(mood);
```

KEEP IN MIND!

- > Should not be used for a column which is expected to change it values in the future.
- > **Case sensitivity:**

```
INSERT INTO example (mood) VALUES ('happy'); -- Will result in an error if 'happy' is not a
declared ENUM value
```

- > **ENUM and Sorting:** ENUMS are sorted based on the declaration of the ENUM column.

```
SELECT * FROM example ORDER BY mood;
```