education_board
- board VARCHAR(45)
- board_name VARCHAR(128)
- sesson_start_month VARCHAR(45)
- session_end_month VARCHAR(45)

Indexes

level
- level_type VARCHAR(45)

Indexes

tutorial
- tutorial_id BIGINT
- title VARCHAR(128)
- description VARCHAR(255)
- url VARCHAR(45)
- price DECIMAL
- active_flag CHAR(1)
- duration DECIMAL
- publish_date DATETIME
- subject VARCHAR(45)
- topic_id BIGINT
- level_type VARCHAR(45)

Indexes

class
- class VARCHAR(45)

Indexes

syllabus
- syllabus_id BIGINT
- active CHAR(1)
- year VARCHAR(45)
- create_user VARCHAR(45)
- create_date DATETIME
- last_modify_user VARCHAR(45)
- last_modified_date DATETIME
- board VARCHAR(45)
- class VARCHAR(20)
- subject VARCHAR(45)
- topic_id BIGINT
- sub_topic_id BIGINT

Indexes

subject
- subject VARCHAR(16)

Indexes

tutorial_section
- section_id BIGINT
- section_title VARCHAR(128)
- active_flag CHAR(1)
- section_url VARCHAR(128)
- duration DECIMAL
- transcript LONGTEXT
- section_order TINYINT
- section_type VARCHAR(45)
- tutorial_id BIGINT
- topic_id BIGINT
- sub_topic_id BIGINT

Indexes

topic
- topic_id BIGINT
- topic_name VARCHAR(128)
- subject VARCHAR(45)

Indexes

section_type
- section_type VARCHAR(45)

Indexes

sub_topic
- sub_topic_id BIGINT
- sub_topic_name VARCHAR(128)
- topic_id BIGINT
- subject VARCHAR(16)

Indexes

topic_questions
- question_id BIGINT
- question BLOB
- correct_answer VARCHAR(45)
- explanation VARCHAR(45)
- weightage VARCHAR(45)
- complexity VARCHAR(45)
- active VARCHAR(45)
- topic_id BIGINT
- sub_topic_id BIGINT

Indexes

question_choice
- choice_id BIGINT
- choice_serial CHAR(1)
- answer_choice VARCHAR(45)
- is_correct_choice VARCHAR(45)
- question_id BIGINT

Indexes

TBD items in this diagram
1. Look into the question sections to see if any more information can be captured
2. Look into the aspect how the questions related tutorials on a single topic can be structured on the basis of levels (Foundation/ Intermediate/ Advance)
3. There should be some relationship between the tutorial section and the questions so that during quiz only the relevent questions are asked

student

🔑 student_id BIGINT

🔷 first_name VARCHAR(45)

🔷 last_name VARCHAR(125)

Indexes ▶

student

🔑 student_id BIGINT

🔷 first_name VARCHAR(45)

🔷 last_name VARCHAR(125)