Quiz 3 - DB & Active Record	Full nam
Q1 - What's a relational database?	
Q2 - What are the different "table relationships" you know?	
<u> </u>	
Q3 - Consider this e-library service. An author, defined by publishing year, has one author only. What's this simple databases	
- Authors	Books
author_id	book_id title
name	year author_id_FK
	e with relevant tables and relationships.
	e with relevant tables and relationships.
	e with relevant tables and relationships.
	e with relevant tables and relationships.
Q5 - What's the language to make queries to a database?	e with relevant tables and relationships.
Q5 - What's the language to make queries to a database?	e with relevant tables and relationships.
Q5 - What's the language to make queries to a database? Q6 - What's the query to get books written before 1985?	e wiii reievant tabies and reiadonships.
Q5 - What's the language to make queries to a database?	
Q5 - What's the language to make queries to a database? Q6 - What's the query to get books written before 1985?	

Q8 -	What's the purpose of Active Record?
Ο9 -	What's a migration? How do you run a migration?
i	
Q10 -	- Complete migrations to create your e-library database.
1	class CreateAuthors < ActiveRecord::Migration[5.1]
2	def change
3	create_table :authors do t
4	
5 6	
7	end
8	end
1	class CreateBooks < ActiveRecord::Migration[5.1]
2	def change
4	
5	
6	
7	end
8	end
1	class CreateUsers < ActiveRecord::Migration[5.1]
2	def change
3	
4	
5	
6	and
7 8	end end
1	class CreateReadings < ActiveRecord::Migration[5.1]
2	def change
3	
4 5	
6	
7	end
8	end

	- Write a migration to add a category column to the books table.
1	class AddCategoryToBooks < ActiveRecord::Migration[5.1]
2	def change
3	
4	
5	end
6	end
Q12	- Define an Active Record model for each table of your DB. Add the Active Record associations between models.
1	class
2	
3	
4	
1	class
2	ONADS .
3	
4	
1	class
3	
4	
1	class
2	
3	
4	
Q13	- Complete the following code using the relevant Active Record methods.
Q13 1	- Complete the following code using the relevant Active Record methods. #1. Add your favorite author to the DB
_	·
1 2 3	·
1 2 3 4	#1. Add your favorite author to the DB #2. Get all authors
1 2 3 4 5	#1. Add your favorite author to the DB
1 2 3 4 5 6	#1. Add your favorite author to the DB #2. Get all authors #3. Get author with id=8
1 2 3 4 5 6 7	#1. Add your favorite author to the DB #2. Get all authors
1 2 3 4 5 6	#1. Add your favorite author to the DB #2. Get all authors #3. Get author with id=8
1 2 3 4 5 6 7 8	 #1. Add your favorite author to the DB #2. Get all authors #3. Get author with id=8 #4. Get author with name="Jules Verne", store it in a variable: jules
1 2 3 4 5 6 7 8 9	 #1. Add your favorite author to the DB #2. Get all authors #3. Get author with id=8 #4. Get author with name="Jules Verne", store it in a variable: jules
1 2 3 4 5 6 7 8 9	 #1. Add your favorite author to the DB #2. Get all authors #3. Get author with id=8 #4. Get author with name="Jules Verne", store it in a variable: jules #5. Get Jules Verne's books
1 2 3 4 5 6 7 8 9 10	#1. Add your favorite author to the DB #2. Get all authors #3. Get author with id=8 #4. Get author with name="Jules Verne", store it in a variable: jules #5. Get Jules Verne's books #6. Create a new book "20000 Leagues under the Seas", it's missing # in the DB. Store it in a variable: twenty_thousand
1 2 3 4 5 6 7 8 9 10 11 12 13 14	#1. Add your favorite author to the DB #2. Get all authors #3. Get author with id=8 #4. Get author with name="Jules Verne", store it in a variable: jules #5. Get Jules Verne's books #6. Create a new book "20000 Leagues under the Seas", it's missing
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	#1. Add your favorite author to the DB #2. Get all authors #3. Get author with id=8 #4. Get author with name="Jules Verne", store it in a variable: jules #5. Get Jules Verne's books #6. Create a new book "20000 Leagues under the Seas", it's missing # in the DB. Store it in a variable: twenty_thousand #7. Add Jules Verne as this book's author
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	#1. Add your favorite author to the DB #2. Get all authors #3. Get author with id=8 #4. Get author with name="Jules Verne", store it in a variable: jules #5. Get Jules Verne's books #6. Create a new book "20000 Leagues under the Seas", it's missing # in the DB. Store it in a variable: twenty_thousand
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	#1. Add your favorite author to the DB #2. Get all authors #3. Get author with id=8 #4. Get author with name="Jules Verne", store it in a variable: jules #5. Get Jules Verne's books #6. Create a new book "20000 Leagues under the Seas", it's missing # in the DB. Store it in a variable: twenty_thousand #7. Add Jules Verne as this book's author #8. Now save this book in the DB!
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	#1. Add your favorite author to the DB #2. Get all authors #3. Get author with id=8 #4. Get author with name="Jules Verne", store it in a variable: jules #5. Get Jules Verne's books #6. Create a new book "20000 Leagues under the Seas", it's missing # in the DB. Store it in a variable: twenty_thousand #7. Add Jules Verne as this book's author
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	#1. Add your favorite author to the DB #2. Get all authors #3. Get author with id=8 #4. Get author with name="Jules Verne", store it in a variable: jules #5. Get Jules Verne's books #6. Create a new book "20000 Leagues under the Seas", it's missing # in the DB. Store it in a variable: twenty_thousand #7. Add Jules Verne as this book's author #8. Now save this book in the DB!
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	#1. Add your favorite author to the DB #2. Get all authors #3. Get author with id=8 #4. Get author with name="Jules Verne", store it in a variable: jules #5. Get Jules Verne's books #6. Create a new book "20000 Leagues under the Seas", it's missing # in the DB. Store it in a variable: twenty_thousand #7. Add Jules Verne as this book's author #8. Now save this book in the DB! # The end
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	#1. Add your favorite author to the DB #2. Get all authors #3. Get author with id=8 #4. Get author with name="Jules Verne", store it in a variable: jules #5. Get Jules Verne's books #6. Create a new book "20000 Leagues under the Seas", it's missing # in the DB. Store it in a variable: twenty_thousand #7. Add Jules Verne as this book's author #8. Now save this book in the DB! # The end
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	#1. Add your favorite author to the DB #2. Get all authors #3. Get author with id=8 #4. Get author with name="Jules Verne", store it in a variable: jules #5. Get Jules Verne's books #6. Create a new book "20000 Leagues under the Seas", it's missing # in the DB. Store it in a variable: twenty_thousand #7. Add Jules Verne as this book's author #8. Now save this book in the DB! # The end