Ruby on Rails

Questions

1. In Ruby on Rails, what is the primary purpose of the 'asset pipeline'?

A. To log errors centrally
B. To serve static assets efficiently
C. To handle database transactions
D. To manage user sessions

2. Which method in ActiveRecord is used to retrieve exactly one record without raising an exception if no record is found?

A. find_each
B. find
C. find_or_initialize_by
D. find_by

3. In Rails, how does the 'before_action' callback typically function in a controller?

A. It is used for debugging purposes
B. It runs after an action is executed
C. It logs the output of an action
D. It runs before an action is executed

4. What purpose does the 'has_many :through' association serve in ActiveRecord?

A. It creates a one-to-one relationship between two models
B. It allows a many-to-many connection with an intermediate join model
C. It is used to create a polymorphic association
D. It directly connects two models without an intermediate table

5. In a Ruby on Rails application, which method is typically used to create a new model instance and persist it to the database?

A. new
B. create
C. initialize
D. build

6. What is the purpose of the `turbo` gem, often used in Ruby on Rails applications?

A. It accelerates API requests
B. It simplifies database migrations
C. It enhances page rendering using WebSockets
D. It optimizes front-end performance by making partial updates

7. In Rails, what is the role of the 'migrate' task under 'rake'?

A. To create a backup of the database
B. To apply changes defined in migration files to the database
C. To reset the database
D. To update the application server

8. Which of the following statements about Rails' 'Mailer' functionality is correct?

A. It is used to send emails from within a Rails application
B. It processes background jobs
C. It handles real-time WebSocket connections
D. It caches HTTP responses to optimize speed

9. What is the main advantage of using the `form_with` helper in Rails 5 and above?

A. It scales automatically for mobile devices
B. It assists in making forms MVC-compliant
C. It only supports GET requests
D. It allows the creation of forms that can easily submit data via AJAX

10. In Rails, what purpose does the 'concerns' directory serve?

A. To configure database connections
B. To define reusable modules for controllers and models
C. To handle exception logging globally
D. To manage environment-specific configurations