

Python - Try Django Answers

Getting Started (Level 1)

01. What command would you use to start a new Django project called "FoodTracker"?
- Answer:** `> django-admin startproject FoodTracker`
02. After navigating to the FoodTracker directory, what command would you use to make a new app called "main"?
- Answer:** `> python manage.py startapp main`
03. While inside the FoodTracker directory, what command would you use to start running the project on a server?
- Answer:** `> python manage.py runserver`
04. Which of the following best describes the role of view in Django?
- A. Views are used to display rendered data as HTML and CSS.
 - B. Views are used to store data that's returned from model objects.
 - C. Views are used to run functions in response to specific URLs entered in the browser.
- Answer:** **C. Views are used to run functions in response to specific URLs entered in the browser.**
05. Which of the following best describes the role of templates in Django?
- A. Templates hold user data and provide it to views.
 - B. Templates display data provided by views.
 - C. Templates store functions that can be used throughout an application.
- Answer:** **B. Templates display data provided by views.**
06. Assuming the site is being hosted at <http://localhost:8000>, which of the following paths will patch the regular expression `r'^home'`?
- A. <http://localhost:8000/home/argh>
 - B. <http://localhost:8000/argh>
 - C. <http://localhost:8000/home>
 - D. <http://localhost:8000>
- Answers:** **A. <http://localhost:8000/home/argh> and C. <http://localhost:8000/home>**
07. How would you modify the regular expression `r'^home'` to match <http://localhost:8000/home> but to not match <http://localhost:8000/home/argh>?
- Answer:** `r'^home/$'`

Models (Level 3)

08. In your project folder, how would you create a migration file?
- Answer:** `> python manage.py migrate`
09. In your project folder, how would you apply a migration to the database?
- Answer:** `> python manage.py migrate`
10. In your project folder, how would you start up the Django Interactive Shell?

Answer: `> python manage.py shell`

11. In your project folder, using the Django Interactive Shell, how would you import the Location model from the main app's models?

Answer: `>>> from main.models import Location`

12. In your project folder, using the Django Interactive Shell, how would you make a variable called loc, assign it to a new Location() object with the name "Blue Bob's Brunch" and any values you want for the flavors, num_franchises, and image fields?

Answer: `>>> loc = Location(name="Blue Bob's Brunch", flavors="Sweet, Salty, Creamy",
 num_franchises=129, image="image_path")`

13. In your project folder, using the Django Interactive Shell, how would you save the loc variable you just made?

Answer: `>>> loc.save()`

14. In your project folder, using the Django Interactive Shell, how would you query the Location model's objects to find all of them?

Answer: `>>> Location.objects.all()`

15. What command would you use to create a super user for your project?

Answer: `python manage.py createsuperuser`