

Q1. To cache your entire site for an application in Django, you add all except which of these settings?

- ☐ `django.middleware.common.CommonMiddleware`
- ☐ `django.middleware.cache.UpdateCacheMiddleware`
- ☐ `django.middleware.cache.FetchFromCacheMiddleware`
- ☒ `django.middleware.cache.AcceleratedCacheMiddleware`

Q2. In which programming language is Django written?

- ☐ C++
- ☐ Java
- ☒ Python
- ☐ Ruby

Q3. To automatically provide a value for a field, or to do validation that requires access to more than a single field, you should override the `__` method in the `__` class.

- ☐ `validate(); Model`
- ☐ `group(); Model`
- ☐ `validate(); Form`
- ☒ `clean(); Field`

Q4. A client wants their site to be able to load "Rick & Morty" episodes by number or by title—e.g., `shows/3/3` or `shows/picklerick`. Which URL pattern do you recommend?

- ☐

```
url(r'shows/<int:season>/<int:episode>/', views.episode_number),  
url(r'shows/<slug:episode_name>/', views.episode_name)
```

- ☒

```
path('shows/<int:season>/<int:episode>/', views.episode_number),  
path(r'shows/<slug:episode_name>/', views.episode_name)
```

- ☐

```
path('shows/<int:season>/<int:episode>', views.episode_number),
```

```
path(r'shows/<slug:episode_name>/', views.episode_number)
```

- ☐

```
url(r'^show/(?P<season>[0-9]+)/(?P<episode>[0-9]+)/$', views.episode_number),  
url(r'^show/(?P<episode_name>[\w-]+)/', views.episode_name)
```

Q5. How do you determine at startup time if a piece of middleware should be used?

- ☒ Raise `MiddlewareNotUsed` in the **`init`** function of your middleware.
- ☐ Implement the `not_used` method in your middleware class.
- ☐ List the middleware beneath an entry of `django.middleware.IgnoredMiddleware`.
- ☐ Write code to remove the middleware from the settings in `[app]/init.py`.

Q6. How do you turn off Django's automatic HTML escaping for part of a web page?

- ☐ Place that section between paragraph tags containing the `autoescape=off` switch.
- ☐ Wrap that section between `{ percentage mark autoescape off percentage mark }` and `{percentage mark endautoescape percentage mark }` tags.
- ☐ Wrap that section between `{percentage mark autoescapeoff percentage mark }` and `{percentage mark endautoescapeoff percentage mark }` tags.
- ☒ You don't need to do anything—autoescaping is off by default.

Q7. Which step would NOT help you troubleshoot the error "django-admin: command not found"?

- ☐ Check that the `bin` folder inside your Django directory is on your system path.
- ☐ Make sure you have activated the virtual environment you have set up containing Django.
- ☐ Check that you have installed Django.
- ☒ Make sure that you have created a Django project.

Q8. Every time a user is saved, their `quiz_score` needs to be recalculated. Where might be an ideal place to add this logic?

- ☐ template
- ☒ model
- ☐ database
- ☐ view

Q9. What is the correct way to begin a class called "Rainbow" in Python?

- ☐ Rainbow {}
- ☐ export Rainbow:
- ☒ class Rainbow:
- ☐ def Rainbow:

Q10. You have inherited a Django project and need to get it running locally. It comes with a requirements.txt file containing all its dependencies. Which command should you use?

- ☐ django-admin startproject requirements.txt
- ☐ python install -r requirements.txt
- ☒ pip install -r requirements.txt
- ☐ pip install Django

Q11. Which best practice is NOT relevant to migrations?

- ☒ To make sure that your migrations are up to date, you should run updatemigrations before running your tests.
- ☐ You should back up your production database before running a migration.
- ☐ Your migration code should be under source control.
- ☐ If a project has a lot of data, you should test against a staging copy before running the migration on production.

Q12. What will this URL pattern match? url(r'^\$', views.hello)

- ☐ a string beginning with the letter R
- ☒ an empty string at the server root
- ☐ a string containing ^ and astringcontainingand
- ☐ an empty string anywhere in the URL

Q13. What is the typical order of an HTTP request/response cycle in Django?

- ☒ URL > view > template
- ☐ form > model > view
- ☐ template > view > model
- ☐ URL > template > view > model

Q14. Django's class-based generic views provide which classes that implement common web development tasks?

- ☐ concrete
- ☐ thread-safe
- ☒ abstract
- ☐ dynamic

Q15. Which skills do you need to maintain a set of Django templates?

- ☐ template syntax
- ☒ HTML and template syntax
- ☐ Python, HTML, and template syntax
- ☐ Python and template syntax

Q16. How would you define the relationship between a star and a constellation in a Django model?

- ☒

```
class Star(models.Model):
    name = models.CharField(max_length=100)
class Constellation(models.Model):
    stars = models.ManyToManyField(Star)
```

- ☐

```
class Star(models.Model):
    constellation = models.ForeignKey(Constellation, on_delete=models.CASCADE)
class Constellation(models.Model):
    stars = models.ForeignKey(Star, on_delete=models.CASCADE)
```

- ☐

```
class Star(models.Model):
    name = models.CharField(max_length=100)
```

```
class Constellation(models.Model):
    stars = models.OneToManyField(Star)
```

- ☐

```
class Star(models.Model):
    constellation = models.ManyToManyField(Constellation)
class Constellation(models.Model):
    name = models.CharField(max_length=100)
```

Q17. Which is NOT a valid step in configuring your Django 2.x instance to serve up static files such as images or CSS?

- ☒ In your urls file, add a pattern that includes the name of your static directory.
- ☐ Create a directory named static inside your app directory.
- ☐ Create a directory named after the app under the static directory, and place static files inside.
- ☐ Use the template tag {percentage mark load static percentage mark}.

Q18. What is the correct way to make a variable available to all of your templates?

- ☐ Set a session variable.
- ☐ Use a global variable.
- ☐ Add a dictionary to the template context.
- ☒ Use RequestContext.

Q19. Should you create a custom user model for new projects?

- ☐ No. Using a custom user model could break the admin interface and some third-party apps.
- ☐ Yes. It is easier to make changes once it goes into production.
- ☒ No. Django's built-in models.User class has been tried and tested—no point in reinventing the wheel.
- ☐ Yes, as there is no other option.

Q20. You want to create a page that allows editing of two classes connected by a foreign key (e.g., a question and answer that reside in separate tables). What Django feature can you use?

- ☒ actions
- ☐ admin
- ☐ mezcal
- ☐ inlines

Q21. Why are QuerySets considered "lazy"?

- ☐ The results of a QuerySet are not ordered.
- ☒ QuerySets do not create any database activity until they are evaluated.
- ☐ QuerySets do not load objects into memory until they are needed.
- ☐ Using QuerySets, you cannot execute more complex queries.

Q22. You receive a `MultiValueDictKeyError` when trying to access a request parameter with the following code: `request.GET['search_term']`. Which solution will NOT help you in this scenario?

- ☒ Switch to using POST instead of GET as the request method.
- ☐ Make sure the input field in your form is also named "search_term".
- ☐ Use MultiValueDict's GET method instead of hitting the dictionary directly like this: `request.GET.get('search_term', '')`.
- ☐ Check if the search_term parameter is present in the request before attempting to access it.

Q23. Which function of Django's Form class will render a form's fields as a series of tags?

- ☐ `show_fields()`
- ☒ `as_p()`
- ☐ `as_table()`
- ☐ `fields()`

Q24. You have found a bug in Django and you want to submit a patch. Which is the correct procedure?

- ☐ Fork the Django repository GitHub.
- ☐ Submit a pull request.

- ☒ all of these answers.
- ☐ Run Django's test suite.

Q25. Django supplies sensible default values for settings. In which Python module can you find these settings?

- ☐ django.utils.default_settings.py
- ☐ django.utils.global_settings.py
- ☐ django.conf.default_settings.py
- ☒ django.conf.global_settings.py

Q26. Which variable name is best according to PEP 8 guidelines?

- ☐ numFingers
- ☐ number-of-Fingers
- ☒ number_of_fingers
- ☐ finger_num

Q27. A project has accumulated 500 migrations. Which course of action would you pursue?

- ☐ Manually merge your migration files to reduce the number
- ☐ Don't worry about the number
- ☐ Try to minimize the number of migrations
- ☒ Use squashmigrations to reduce the number

Q28. What does an F() object allow you when dealing with models?

- ☒ perform db operations without fetching a model object
- ☐ define db transaction isolation levels
- ☐ use aggregate functions more easily
- ☐ build reusable QuerySets

Q29. Which is not a Django field type for integers?

- ☐ SmallIntegerField
- ☒ NegativeIntegerField

- ☐ BigAutoField
- ☐ PositiveIntegerField

Q30. Which will show the currently installed version?

- ☐ `print (django.version)`
- ☐ `import django django.getVersion()`
- ☒ `import django django.get_version()`
- ☐ `python -c django --version`

Q31. You should use the http method ___ to read data and ___ to update or create data

- ☐ READ; WRITE
- ☒ GET; POST
- ☐ POST; GET
- ☐ GET; PATCH

Q32. When should you employ the POST method over GET for submitting data?

- ☐ when efficiency is important
- ☐ when you want the data to be cached
- ☐ when you want to use your browser to help with debugging
- ☒ when the data in the form may be sensitive

Q33. When to use the Django sites framework?

- ☒ if your single installation powers more than one site
- ☐ if you need to serve static as well as dynamic content
- ☐ if you want your app have a fully qualified domain name
- ☐ if you are expecting more than 10.000 users

Q34. Which infrastructure do you need:

```
title=models.CharField(max_length=100, validators=[validate_spelling])
```

- ☐ inialized array called validators

- ☒ a validators file containing a function called validate_spelling imported at the top of model
- ☐ a validators file containing a function called validate imported at the top of model
- ☐ spelling package imported at the top of model

Q35. What decorator is used to require that a view accepts only the get and head methods?

- ☒ require_safe()
- ☐ require_put()
- ☐ require_post()
- ☐ require_get()

Q36. How would you define the relation between a book and an author - book has only one author.

- ☐

```
class Author (models.model):
book=models.foreignkey(Book,on_delete=models.cascade)
class Book(models.model):
name=models.charfield(max_length=100)
```

- ☒

```
class Author (models.model):
name=models.charfield(max_length=100)
class Book(models.model):
author=models.foreignkey(Author,on_delete=models.cascade)
```

- ☐

```
class Author (models.model):
name=models.charfield(max_length=100)
class Book(models.model):
author=models.foreignkey(Author)
```

- ☐

```
class Author (models.model):
name=models.charfield(max_length=100)
class Book(models.model):
author=models.foreignkey(Author,on_delete=models.cascade)
```

- ☐

```
class Author (models.model):
name=models.charfield(max_length=100)
class Book(models.model):
author=Author.name
```

Q37. What is a callable that takes a value and raises an error if the value fails?

- ☒ validator
- ☐ deodorizer
- ☐ mediator
- ☐ regular expression

Q38. To secure an API endpoint, making it accessible to registered users only, you can replace the `rest_framework.permissions.allowAny` value in the `default_permissions` section of your `settings.py` to

- ☐ `rest_framework.permissions.IsAdminUser`
- ☒ `rest_framework.permissions.IsAuthenticated`
- ☐ `rest_framework.permissions.IsAuthorized`
- ☐ `rest_framework.permissions.IsRegistered`

Q39. Which command would you use to apply a migration?

- ☐ `makemigration`
- ☐ `update_db`
- ☐ `applymigration`
- ☒ `migrate`

Q40. Which type of class allows QuerySets and model instances to be converted to native Python data types for use in APIs?

- ☐ `objectwriters`
- ☒ `serializers`
- ☐ `picklers`
- ☐ `viewsets`

Q41. How should the code end?

```
{ percentage if spark >= 50 percentage }
Lots of spark
```

```
{percentage elif spark == 42 percentage}
```

- ☐ { percentage else percentage}
- ☒ {percentage endif percentage}
- ☐ Nothing needed
- ☐ {percentage end percentage}

Q42. Which code block will create a serializer?

```
from rest_framework import serializers  
from .models import Planet
```

- ☒

```
class PlanetSerializer(serializers.ModelSerializer):  
    class Meta:  
        model=Planet  
        fields=('name','position', 'mass', 'rings')
```

- ☐

```
from rest_framework import serializers  
from .models import Planet  
class PlanetSerializer():  
    class Meta:  
        fields=('name','position', 'mass', 'rings')  
        model=Planet
```

- ☐

```
from django.db import serializers  
from .models import Planet  
class PlanetSerializer(serializers.ModelSerializer):  
    fields=('name','position', 'mass', 'rings')  
    model=Sandwich
```

- ☐

```
from django.db import serializers  
from .models import Planet  
class PlanetSerializer(serializers.ModelSerializer):  
    class Meta:  
        fields=('name')  
        model=Planet
```

Q43. Which class allows you to automatically create a Serializer class with fields and validators that correspond to your model's fields?

- ☒ ModelSerializer

- ☐ Model
- ☐ DataSerializer
- ☐ ModelToSerializer

Q44. Which command to access the built-in admin tool for the first time?

- ☐ django-admin setup
- ☐ django-admin runserver
- ☐ python manage.py createuser
- ☒ python manage.py createsuperuser

Q45. Virtual environments are for managing dependencies. Which granularity works best?

- ☒ you should set up a new virtualenv for each Django project
- ☐ They should not be used
- ☐ Use the same venv for all your Django work
- ☐ Use a new venv for each Django app

Q46. What executes various Django commands such as running a webserver or creating an app?

- ☐ migrate.py
- ☐ wsgi.py
- ☒ manage.py
- ☐ runserver

Q47. What do Django best practice suggest should be "fat"?

- ☒ models
- ☐ controllers
- ☐ programmers
- ☐ clients

Q48. Which is not part of Django's design philosophy?

- ☐ Loose Coupling

- ☐ Less Code
- ☐ Fast Development
- ☒ Implicit over explicit

Q49. What is the result of this template code?

```
{{"live long and prosper"|truncate:3}}
```

- ☒ live long and ...
- ☐ live long and
- ☐ a compilation error
- ☐ liv

Q50. When does this code load data into memory?

```
1 sandwiches = Sandwich.objects.filter(is_vegan=True)
2 for sandwich in sandwiches:
3     print(sandwich.name + " - " + sandwich.spice_level)
```

- ☐ line 1
- ☒ It depends on how many results return by query.
- ☐ It depends on cache.
- ☐ line 2

Q51. You are building a web application using a React front end and a Django back end. For what will you need to provision?**

- ☐ an NGINX web server
- ☐ a NoSQL database
- ☐ a larger hard drive
- ☒ CORS middleware

Q52. To expose an existing model via an API endpoint, what do you need to implement?**

- ☐ an HTTP request
- ☐ a JSON object
- ☐ a query
- ☒ a serializer

Q53. How would you stop Django from performing database table creation or deletion operations via migrations for a particular model?**

- ☐ Run the `migrate` command with `--exclude=[model_name]`.
- ☐ Move the model definition from `models.py` into its own file.
- ☒ Set `managed=False` inside the model.
- ☐ Don't run the `migrate` command.

Q54. what method can you use to check if form data has changed when using a form instance?

- ☒ `has_changed()`
- ☐ `its_changed()`
- ☐ `has_updated()`
- ☐ None of This

Q55. What is WSGI?

- ☒ a server
- ☐ an interface specification
- ☐ a Python module
- ☐ a framework

Q56. Which generic view should be used for displaying the tittles of all Django Reinhardt's songs?

- ☐ `DetailView`
- ☐ `TittleView`
- ☐ `SongView`
- ☒ `ListView`

Q57. Which statement is most accurate, regarding using the default SQLite database on your local/development machine but Postgres in production

- ☒ There's less chance of introducing bugs since SQLite already works out the box
- ☐ It's fine, you just need to keep both instances synchronized
- ☐ It's a bad idea and could lead to issues down the road

- ☐ It's the most efficient way to build a project

Q58. Why might you want to write a custom model Manager?

- ☐ to perform database queries
- ☐ to set up a database for testing
- ☒ to modify the initial QuerySet that the Manager returns
- ☐ to filter the results that a database query returns

Q59. In Django, what are used to customize the data that is sent to the templates?

- ☐ models
- ☒ views
- ☐ forms
- ☐ serializers

Q60. To complete the conditional, what should this block of code end with?

```
% if sparkles >= 50 %  
    Lots of sparkles!  
% elif sparkles == 42 %  
    The answer to life, the universe, and everything!
```

- ☒ % endif %
- ☐ Nothing else is needed.
- ☐ % end%
- ☐ % else %

Q61. When should you employ the POST method over the GET method for submitting data from a form?

- ☒ when the data in the form may be sensitive
- ☐ when you want the data to be cached
- ☐ when you want to use your browser to help with debugging
- ☐ when efficiency is important

Q62. What is a callable that takes a value and raises an error if the value fails to meet some criteria?

- ☐ mediator
- ☒ validator
- ☐ regular expression
- ☐ deodorizer

Q63. You are uploading a file to Django from a form and you want to save the received file as a field on a model object. You can simply assign the file object from `request.FILES` to a field of type `FileField` in the model.

- ☐ `request.META`; `FileField`
- ☐ `request.FILES`; `BLOBField`
- ☒ `request.FILES`; `FileField`
- ☐ `request.META.Files`; `CLOBField`

Q64. What python module might be used to store the current state of a Django model in a file?

- ☒ pickle
- ☐ struct
- ☐ marshal
- ☐ serialize

Q65. To add a new app to an existing Django project, you must edit the `INSTALLED_APPS` section of the `settings.py` file.

- ☐ `ALLOWED_HOSTS`; `settings.py`
- ☐ `APPS`; `manage.py`
- ☒ `INSTALLED_APPS`; `settings.py`
- ☐ `TEMPLATES`; `urls.py`

Q66. Which is not a third-party package commonly used for authentication?

- ☐ django-guardian
- ☐ django-rest-auth
- ☐ authtoken
- ☒ django-rest-framework-jwt

Q67. Which function in the django.urls package can help you avoid hardcoding URLs by generating a URL given the name of a view?

- ☐ get_script_prefix()
- ☐ redirect()
- ☒ reverse()
- ☐ resolve()

Q68. Which is Fictional HTTP request method?

- ☐ POST
- ☐ PUT
- ☒ PAUSE
- ☐ PATCH

Q69. Which helper function is not provided as a part of django.shortcuts package? ref-

- ☒ render_to_request()
- ☐ render()
- ☐ redirect()
- ☐ get_object_or_404()


[Reference](#)

Q70. Which is a nonstandard place to store templates?

- ☒ at the root level of a project
- ☐ inside the application
- ☐ in the database
- ☐ on Github

Q71. If you left the 8080 off the command python manage.py runserver 8080 what port would Django use as default?

- ☒ 8080
- ☐ 80
- ☐ 8000

-  It would fail to start