Django MCQ Important questions

1. Q: Which Django functions are used to take HTTP requests and return HTTP responses?

   a) Models

   b) Views

   c) Templates

   d) Admin

   Answer: b) Views

2. Q: In Django, data is created in objects, what are these objects called?

   a) Records

   b) Fields

   c) Models

   d) Instances

   Answer: c) Models

3. Q: How can you turn off debugging in Django's configuration file?

   a) Set `DEBUG = False` in settings.py

   b) Set `DEBUG = True` in settings.py

   c) Run `python manage.py debug off`

   d) It cannot be turned off

   Answer: a) Set `DEBUG = False` in settings.py

4. Q: In Django's QuerySet, which method is used to get all the records and fields of a given model?

   a) `get_all()`

   b) `fetch_all()`

   c) `objects.all()`

   d) `model.get()`

Answer: c) `objects.all()`

5. Q: What is Django's forms module used for?

   a) Handling URLs

   b) Rendering templates

   c) Handling user authentication

   d) Working with HTML forms

   Answer: d) Working with HTML forms

6. Q: How does Django protect against CSRF (Cross-Site Request Forgery) attacks?

   a) By using strong passwords

   b) By encrypting all HTTP requests

   c) By including a CSRF token in forms

   d) By blocking all external requests

   Answer: c) By including a CSRF token in forms

7. Q: What is Django's security principle "Don't trust the client"?

   a) Always trust user input

   b) Verify and sanitize user input

   c) Trust the client's JavaScript code

   d) Only trust the server

   Answer: b) Verify and sanitize user input

8. Q: How does Django handle user authentication?

   a) It uses a separate authentication server

   b) It relies on third-party authentication services

   c) It provides built-in authentication features

   d) It doesn't support user authentication

Answer: c) It provides built-in authentication features

9. Q: How does Django handle file uploads?

   a) By storing files in plain text format

   b) By using a third-party file storage service

   c) By providing built-in file upload handling

   d) By rejecting file uploads

   Answer: c) By providing built-in file upload handling

10. Q: Which file is kind of your project local django-admin for interacting with your project via the command line?

   a) manage.py

   b) settings.py

   c) urls.py

   d) models.py

   Answer: a) manage.py

11. Q: What happens when the urls.py file is edited while the development server is still running?

   a) The server continues to run without any issues

   b) The server automatically restarts with the new URL patterns

   c) The server throws an error and must be manually restarted

   d) The server pauses until the editing is complete

   Answer: b) The server automatically restarts with the new URL patterns

12. Q: Which method is used instead of `path()` in `urls.py` to pass in regular expressions as routes?

   a) `re_path()`

   b) `regex()`

   c) `match()`

d) `expression()`

Answer: a) `re_path()`

13. Q: What is the value of `DEBUG` when a Django website is online or deployed?

a) `True`

b) `False`

c) It depends on the server configuration

d) `DEBUG` is not relevant in a deployed environment

Answer: b) `False`

14. Q: Which of these commands is not a management command of `staticfiles`?

a) `collectstatic`

b) `runserver`

c) `findstatic`

d) `migrate`

Answer: b) `runserver`

15. Q: What data types and objects are not accepted as an argument by the `Paginator` class?

a) QuerySets

b) Lists

c) Dictionaries

d) Tuples

Answer: c) Dictionaries

16. Q: Which of these is not a valid method or approach to perform URL resolution in Django?

a) URL patterns defined in `urls.py`

b) Using the `resolve()` function

c) Redirecting all URLs to the homepage

d) Using regular expressions to match URLs

Answer: c) Redirecting all URLs to the homepage

17. Q: What are `request.GET` and `request.POST` objects in Django?

a) They store session data

b) They contain user authentication details

c) They handle file uploads

d) They hold data from GET and POST requests, respectively

Answer: d) They hold data from GET and POST requests, respectively

18. Q: Which of the following Password Validators are not provided by default in Django?

a) CommonPasswordValidator

b) MinimumLengthValidator

c) NumericPasswordValidator

d) StrongPasswordValidator

Answer: d) StrongPasswordValidator

19. Q: What is Django's middleware in web development?

a) A security feature for client-side validation

b) A tool for managing database migrations

c) A framework for creating custom request/response processing

d) A user authentication library

Answer: c) A framework for creating custom request/response processing

20. Q: What is the purpose of the "__init__.py" file in Django?

a) It's a main configuration file for Django projects

b) It indicates that the directory is a Python package

c) It defines the structure of the project's database

d) It stores the project's secret key

Answer: b) It indicates that the directory is a Python package

21. Q: What is the purpose of the "migrations" folder in Django?

a) It contains static files for the project

b) It manages database schema changes over time

c) It stores Django templates

d) It is used for URL routing

Answer: b) It manages database schema changes over time

22. Q: What is the purpose of the "settings.py" file in Django?

a) It defines URL patterns for the project

b) It stores the project's HTML templates

c) It contains the project's configuration settings

d) It defines models for the database

Answer: c) It contains the project's configuration settings

23. Q: How do you make a URL pattern in Django?

a) By using HTML tags

b) By configuring it in the web server

c) By defining it in the `urls.py` file

d) By using Python decorators

Answer: c) By defining it in the `urls.py` file

24. Q: Which file is used if you need to deploy your project over WSGI?

a) `manage.py`

b) `settings.py`

c) `wsgi.py`

d) `urls.py`

Answer: c) `wsgi.py

25. Q: `render` function takes how many parameters?

a) 1

b) 2

c) 3

d) 4

Answer: c) 3 (request, template_name, and context)

26. Q: What kind of non-HTML outputs can Django generate?

a) HTML only

b) XML only

c) JSON, XML, and more

d) PDF only

Answer: c) JSON, XML, and more

27. Q: Which of the following is a valid database supported by Django?

a) MongoDB

b) SQLite

c) Redis

d) All of the above

Answer: b) SQLite

28. Q: Which command is used to create a new Django project?

   a) `python createproject.py`

   b) `django-admin startproject`

   c) `python manage.py createproject`

   d) `start-django-project`

   Answer: b) `django-admin startproject`

29. Q: What is the purpose of the `django-admin` command in Django?

   a) To create Django models

   b) To start the development server

   c) To manage Django projects and applications

   d) To define URL patterns

   Answer: c) To manage Django projects and applications

30. Q: Which module is used to work with forms in Django?

   a) `forms.py`

   b) `templates.py`

   c) `views.py`

   d) `models.py`

   Answer: a) `forms.py`

31. Q: What does the `Django ORM` stand for?

   a) Object-Relational Mapping

   b) Object-Request Model

   c) Object-Render Model

   d) Object-Response Mapping

   Answer: a) Object-Relational Mapping

32. Q: Which Django command is used to create a new Django app?

   a) `python createapp.py`

   b) `python manage.py startapp`

   c) `django-admin createapp`

   d) `start-django-app`

   Answer: b) `python manage.py startapp`

33. Q: What is the purpose of the `migrations` in Django?

   a) To migrate data between databases

   b) To manage database schema changes over time

   c) To create static HTML files

   d) To define URL routing

   Answer: b) To manage database schema changes over time

34. Q: What is the role of the Django template system?

   a) To define database models

   b) To create and manage user sessions

   c) To define the structure and layout of web pages

   d) To handle user authentication

   Answer: c) To define the structure and layout of web pages

35. Q: Which database model field type is used to store a URL?

   a) `URLField`

   b) `CharField`

   c) `TextField`

   d) `URLType`

36. Q: What is the primary purpose of Django's middleware?

   a) To define URL patterns

   b) To process and modify HTTP requests and responses

   c) To manage database migrations

   d) To create custom authentication backends

   Answer: b) To process and modify HTTP requests and responses

37. Q: In Django, what is the purpose of the `__str__` method in a model?

   a) To define the structure of a database table

   b) To specify which fields are editable in a form

   c) To return a human-readable representation of the object

   d) To define the structure of a URL pattern

   Answer: c) To return a human-readable representation of the object

38. Q: What is the role of the `SECRET_KEY` in Django's settings?

   a) It's used to encrypt user passwords

   b) It's a unique identifier for database records

   c) It's used to sign cookies and sessions

   d) It's the URL of the development server

   Answer: c) It's used to sign cookies and sessions

39. Q: In Django, what is a context processor?

   a) A function that modifies request headers

   b) A function that processes template context data

   c) A function that authenticates users

   d) A function that manages database transactions

Answer: b) A function that processes template context data

40. Q: Which of the following is not a valid URL pattern example in Django?

    a) `path('articles/', ArticleListView.as_view())`

    b) `re_path(r'^articles/(?P<slug>[\w-]+)/$', ArticleDetailView.as_view())`

    c) `url('articles/', ArticleListView.as_view())`

    d) `path('articles/', include('articles.urls'))`

    Answer: c) `url('articles/', ArticleListView.as_view())`

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Serial No.	Question	Answer
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3	How can you turn off debugging in Django's configuration file?	a) Set `DEBUG = False` in settings.py
4	In Django's QuerySet, which method is used to get all the records and fields of a given model?	c) `objects.all()`
5	What is Django's forms module used for?	d) Working with HTML forms
6	How does Django protect against CSRF (Cross-Site Request Forgery) attacks?	c) By including a CSRF token in forms
7	What is Django's security principle "Don't trust the client"?	b) Verify and sanitize user input
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13	What is the value of DEBUG when a Django website is online or deployed?	b) `False`
14	Which of these commands is not a management command of `staticfiles`?	b) `runserver`
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16	Which method is used instead of `path()` in `urls.py` to pass in regular expressions as routes?	a) `re_path()`
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Python Web Development using Django QUIZ 2

1.What is Django used for ?

Machine learning

Game development

Web development

Data analysis

2.What is Django in python ?

framework

A library

A function

A script

3.What is the base principle of MVT in Django ?

Model, Template, View

Model, View, Template

Template, Model, View

Template, View, Model

4. What is the default database used in Django ?

Oracle

SQLite

PostgreSQL

MySQL

5.What does the Django ORM (Object-Relational Mapping) do ?

Maps objects to relational database tables

Maps relational database tables to objects

Provides data validation

Manages database connections

6. What is Django's template language used for ?

Data validation

URL routing

Dynamic HTML generation

Object-Relational Mapping

7.What is Django's staticfiles app used for ?

Serving static files like images, CSS, and JavaScript

Generating dynamic HTML

Handling user authentication

Storing data in cache

8. How does Django protect against CSRF (Cross-Site Request Forgery) attacks ?

By using a secret key

By using SSL/TLS

By using a unique token for each request

By using a fixed path

9.What is the preferred way to start a new Django project ?

Manually creating all necessary files and directories

Using the Django startproject command

Copying an existing project

Using a code editor's project template

10.What is the purpose of Django's manage.py file ?

To run the development server

To manage project-level configuration and tasks

To handle URL routing

To serve static files

11.What is the purpose of Django's asgi module ?

To enable Django to work with asynchronous code

To handle URL routing

To serve static files

To manage project-level tasks

12.How do you create a Django project ?

django-admin startproject projectname

django-admin createproject projectname

django startproject projectname

django createproject projectname

13. What is a Django app?

A standalone software

A component of a project

A database

A programming language

14. What is the purpose of the "urls.py" file in Django?

To store the project's URL configurations

To store project-level settings

To store app-level settings

To store the project's static files

15. How do you make a Django model available for use in the admin interface?

By registering the model in the "admin.py" file of the app

By registering the model in the "settings.py" file of the project

By registering the model in the "models.py" file of the app

By registering the model in the "urls.py" file of the project

16. What is the purpose of the "views.py" file in Django?

To store the project's URL configurations

To store the project's models

To store the project's static files

To store the project's views

17. What is the purpose of the "settings.py" file in Django?

To store app-level settings

To store project-level settings

To store the project's URL configurations

To store the project's static files

18. How do you run the development server in Django?

python manage.py runserver

python runserver manage.py

django runserver

django manage.py runserver

19.What is the purpose of the "init.py" file in Django ?

To store the app's models

To store the app's views

To initialize the app

To store the app's forms

20.How do you run database migrations in Django ?

python manage.py migrate

python migrate manage.py

django migrate

django manage.py migrate database
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