

Answer the following

1. Explain Admin Feature in Django? What is the advantage of having Built in Admin Feature in a Framework?

The Admin Feature in Django refers to the Django Admin Interface, which is a built-in web-based interface for managing the data of your application. It allows you to perform CRUD (Create, Read, Update, Delete) operations on your models directly from the browser.

- It is generated automatically once you define your models.
- Only staff and superusers (with admin privileges) can access it.
- It includes features like searching, filtering, custom display fields, inline editing, and permissions.

Advantages:

- **Rapid Development:** Saves time by auto-generating admin panels without writing custom code.
- **Data Management:** Makes it easy to manage database records without writing SQL or creating custom interfaces.
- **Security:** Comes with built-in user authentication and permission management.
- **Customization:** Easily customizable to change how models are displayed and edited.
- **Productivity:** Increases developer productivity, especially during prototyping and early development stages.

2. How do you register a model in Django Admin?

To register a model in Django Admin:

1. Open the `admin.py` file of your app.
2. Import your model and register it using `admin.site.register()`.

Example:

```
from django.contrib import admin
from .models import Book
```

```
admin.site.register(Book)
```

3. Write down command to create superuser.

To create a superuser in Django, run the following command

```
python manage.py createsuperuser
```

- Username
- Email address (optional depending on Django version)
- Password

Once created, you can log in to the Django Admin panel at <http://localhost:8000/admin/>.