1. **Why Django should be used for web-development? Explain how you can create a project in Django?**

* Django is one of the most popular and robust web development frameworks for Python. It provides a rich set of tools and features that make web development easier and more efficient. Here are several reasons why Django is preferred for web development
* **Scalability:** Django is highly scalable. It allows for the addition of components as the application grows and ensures that websites can handle increased traffic and data over time.
* **Security**: Django is designed with security in mind. It provides features like protection against SQL injection, cross-site scripting, cross-site request forgery, and clickjacking, helping developers create secure web applications.
* **Built-in Admin Interface**: Django provides a ready-made admin panel, which allows developers and administrators to manage application data easily without needing to build an admin interface from scratch.
* **ORM (Object-Relational Mapping)**: Django ORM allows developers to interact with the database using Python code instead of SQL, which streamlines database management and increases productivity.
* **Modular Structure**: Django promotes reusable modules and components, which make the codebase clean and maintainable. It follows the "MTV" architecture, similar to MVC, which encourages a clean separation of concerns.
* **Support for Templating**: Django includes a powerful templating engine that helps create dynamic HTML pages. It allows for the use of Python-like syntax in templates, making it easy to incorporate dynamic content.

1. **How to check installed version of django?**

* python -m django –version

**3.Explain what does django-admin.py make messages command is used for?**

* The django-admin.py makemessages command is used to create or update the .po files that Django uses for localization (translations). It extracts all text marked for translation in your project and prepares message files for various languages. You can use it like this:

**4.What is Django URLs?make program to create django urls**

* - Django URLs are used to map web requests to views. A URL pattern is a string that is matched to a request, and the corresponding view is called to process the request. **Example Program to Create Django URLs: from django.urls import path**

**5**. **What is a QuerySet?Write program to create a new Post object in database:**

* A QuerySet is a collection of database queries that Django's ORM returns. It represents a list of records from the database that you can iterate over or further filter.
* The create\_post view handles the creation of new Post objects, and the create\_post.html template provides a form for users to input the title and content of the post.

**6. Mention what command line can be used to load data into Django?**

* -You can use the loaddata command to load data from a JSON, XML, or YAML file into your Django app.

**Example**:

python manage.py loaddata .json

**7.** **django-admin.py make messages command is used for?Explain what does**

* The django-admin.py makemessages command is used for localization and translation in Django projects. It is part of Django's internationalization (i18n) framework, which allows you to create applications that can support multiple languages.