**Assignment**

**Module – 5 (DB and Python Framework)**

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

* Django is a popular web development framework for building web applications quickly and efficiently. Here's why should use Django:

1. **Built With Python So Easy to Learn**
2. **Cross-Platform**
3. **Built-in Admin UI**
4. **Not Mandatory To Having A Knowledge Of Database Queries**

* Here's Some step how to create a project in Django :-

1. Python -m venv environment\_name
2. Cd environment\_name
3. Scripts\activate
4. pip install django
5. django-admin startproject project\_name
6. cd project\_name
7. python manage.py startapp
8. python manage.py createsuperuser
9. python manage,py migrate
10. python manage.py runserver
11. How to check installed version of django?

* Here's Code For Check Installed Version Of Django.
* python -m django –version

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

* run over the entire source tree of the current direction and puls out all strings marked for translation.it cretates a message file in the location.

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

* URLs are used to route different requests to the appropriate view functions. The URL dispatcher is based on regular expressions and mappings that you define in a urls.py file. These mappings tell Django how to handle specific URL patterns and which views to call when a URL matches a pattern.

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

* A QuerySet in Django is a collection of database queries that represent a set of objects in your database. QuerySets allow you to read the data from the database, filter it, and order it. They provide a powerful and flexible way to query your database

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

* To load data into Django, you can use several command-line commands and tools depending on the format and source of your data.
* The command line will searches the data and loads the contents of the named fixtures into the database.

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