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| Que 1 | Why Django should be used for web-development? Explain how you can create a project in Django? |
| Ans: | * Django is a fast and simple framework that helps to save development time and therefore increase the overall cost-effectiveness of the project. Also, Django has one of the best out-of-the-box security systems out there. It helps developers avoid common security issues that could otherwise incur additional costs later.     - Some Step's to create a project in Django :  (1)create virtual env. ---> python -m venv  (Any Name)  (2)pip install django - For Install Django  (3)django-admin startproject projectname  For Create a Django Project  (4)python manage.py startapp appname - For  Create a Django App  (5)python manage.py makemigrations - For  Create Database  (6)python manage.py migrate - for mgrate the  database  (7)python manage.py runserver - For Run the  Development Server |
| Que 2 | How to check installed version of django? |
| Ans: | * Open your command line or terminal and run the following command : python -m django --version |
| Que 3 | Explain what does django-admin.py make messages command is used for? |
| Ans: | * The make\_messages command scans your Django project for text strings marked for translation in your code and creates or updates message files for different languages. * These message files contain the original text strings and placeholders, and they serve as templates for translators to provide translations. |
| Que 4 | What is Django URLs?make program to create django urls |
| Ans: | * In Django, URLs are patterns used to map URLs to views within a web application. The URL patterns are defined in the urls.py module of each Django app, and they determine which view function or class-based view should be called for a given URL. * urls.py:   from django.urls import path  from . import views  urlpatterns = [  path('', views.index, name='index'),  path('about/', views.about, name='about'),  path('contact/', views.contact, name='contact'),  ] |
| Que 5 | **What is a QuerySet ? Write program to create a new Post object in database.** |
| Ans: | * **QuerySet** : QuerySet is a collection of database queries that can be used to retrieve data from a database. It's a high-level API provided by Django for interacting with databases. * Models.py:   from django.db import models  # Create your models here.  class User(models.Model):  fname=models.CharField(max\_length=100)  lname=models.CharField(max\_length=100)  email=models.EmailField()  mobile=models.PositiveIntegerField()  address=models.TextField()  password=models.CharField(max\_length=100)  profile\_picture=models.ImageField(upload\_to="profile\_picture/",default="")  usertype=models.CharField(max\_length=100,default="user")  def \_\_str\_\_(self):  return self.fname+" "+self.lname |
| Que 6 | Mention what command line can be used to load data into Django? |
| Ans: | * Django provides a management command called 'load data' that allows you to load data into your Django application from fixture files. Fixture files are serialized representations of Django models, typically in JSON, YAML, or XML format. |
| Que 7 | Explain what does django-admin.py make messages command is used for? |
| Ans: | * The Django-admin.py make messages command is used in Django for the purpose of creating or updating language translation files based on the marked translation strings in your Django project. |
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