Django

1. What is Django and what is its main purpose?
   Django is a framework in python which helps us to built web applications.

2. Explain the MTV (Model-Template-View) architecture in Django.

   Django follows mtv patterns i.e model template view
   Model: It used to create database related things like tables
   Templates: It is used to handle html related things. It is mainly used to displaying the data.
   View: views is mainly used to connect with database and templates and whatever the request
   we made that will handled by views.

3. How do you install Django?
   Pip install Django

4. What is a Django project and how do you create one?
   Django project is a collection of various apps, database, templates. Django project is used to
   create web application using django framework
   django-admin startproject projectname

5. What is a Django app and how do you create one?
   Django app is included in django project which having some functionality. If we have a big
   project to do for that keeping entire thing in one app is tough to handle. For that we have the
   option to create multiple apps.
   Creation:
   django-admin startapp appname

6. What is the purpose of the settings.py file in a Django project?
   Basically settings.py is used for configurations. If we create any app in our project means we
   need to add that app name in installed apps. By default it contains database configurations.
   We need set template configurations if we want to use html files we need to set static
   configurations for css and also we need to ass media file configurations if we use any upload
   things.

7. How do you start the Django development server?
   Python manage.py runserver

8. What is the role of the urls.py file in a Django project?
   The main role of urls.py is first we create some view functions. The urls helps to create specific
   function url for accessing in website.
   If we want to include app urls in main urls we need to use include(appname.urls) in urlpatterns

9. How do you define URL patterns in Django?
   From django.urls import path,include
   Urlpatterns=[path(" ",views.functionname,name='somename'),]
   If we want to include use
   Urlpatterns=[path(' ',include('name.url')),]

10. What is a Django model and how do you define one?
    Django model is a database table .whatever the fields we want we need to add in models.
    Class Modelname(models.Model):
        #addfields here example
        firstname=models.Charfield(maxlength=20)
        lastname=models.Charfield(maxlength=20)