1. **What is Django REST Framework?**

Django REST Framework (DRF) is a toolkit that helps developers build web APIs using Python's Django framework. It simplifies the process of creating APIs by providing tools and features like serialization, authentication, and URL routing. With DRF, developers can easily design and develop RESTful APIs that follow best practices for scalability and maintainability. It's a popular choice for building robust APIs with Django due to its flexibility and extensive functionality.

1. **what is restful api ?**

A RESTful API (Representational State Transfer API) is an architectural style for designing networked applications. It relies on a set of principles that describe how resources are defined and addressed over the web. In simple terms, a RESTful API allows different software applications to communicate with each other via standardized HTTP methods (such as GET, POST, PUT, DELETE) over the internet.

Key principles of a RESTful API include:

**Resource-Based:** Resources, such as data objects or services, are identified by unique URIs (Uniform Resource Identifiers). These URIs serve as addresses through which clients can access or manipulate the resources.

**Uniform Interface:** The interface between the client and server is uniform, meaning that operations are performed using standard HTTP methods (GET, POST, PUT, DELETE). This simplifies communication and makes the API easy to understand and use.

**Statelessness:** Each request from a client to the server must contain all the necessary information for the server to fulfill the request. The server does not maintain any client state between requests. This improves scalability and reliability.

1. **Create a model role and link with the user model**

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**4) Create a api to register user**A screenshot of a computer

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