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Class : SE3

Subject : Python

#### **Assignment No - 4**

##### **Code :**

/urls.py

```
from django.urls import path
```

```
from .views import BookListCreateView, BookDetailView
```

```
urlpatterns = [  
    path('books/', BookListCreateView.as_view(), name='book-list'),  
    path('books/<int:pk>', BookDetailView.as_view(), name='book-detail'),  
]
```

/views.py

```
from rest_framework import generics from
```

```
.models import Book
```

```
from .serializers import BookSerializer
```

```
class BookListCreateView(generics.ListCreateAPIView): queryset  
    = Book.objects.all()  
    serializer_class = BookSerializer
```

```
class BookDetailView(generics.RetrieveUpdateDestroyAPIView): queryset  
    = Book.objects.all()  
    serializer_class = BookSerializer
```

## Output :

127.0.0.1:8000/api/books/

Django REST framework

Book List Create

OPTIONS GET

GET /api/books/

HTTP 200 OK  
Allow: GET, POST, HEAD, OPTIONS  
Content-Type: application/json  
Vary: Accept  
[]

Raw data HTML form

Title

Isbn

POST

127.0.0.1:8000/api/books/

Django REST framework

Book List Create

OPTIONS GET

GET /api/books/

HTTP 200 OK  
Allow: GET, POST, HEAD, OPTIONS  
Content-Type: application/json  
Vary: Accept  
[  
 {  
 "id": 1,  
 "title": "Atomic Habits",  
 "isbn": "9780135467221"  
 },  
 {  
 "id": 2,  
 "title": "Rich Dad Poor Dad",  
 "isbn": "8156832893"  
 },  
 {  
 "id": 3,  
 "title": "28 All Starts With Us",  
 "isbn": "849696767721"  
 }  
]

```
← → ↻ ⓘ 127.0.0.1:8000/api/books/?format=json
Pretty-print ☒
[
  {
    "id": 1,
    "title": "Atomic Habits",
    "isbn": "9781735467221"
  },
  {
    "id": 2,
    "title": "Rich Dad Poor Dad",
    "isbn": "83560326987"
  },
  {
    "id": 3,
    "title": "It All Starts With Us",
    "isbn": "869696767721"
  }
]
```