

Django Rest Framework

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1 CRUD Api

we can insert data,read data ,update data and delete data from external python/java/android in database.we can see database on hitting the url "http://127.0.0.1:8000". example

ID	NAME	ROLL	CITY
1	prashant	59	mirzapur
2	raj	35	Gorakhpur
3	Piyush	61	chitrakut
4	amit	55	bareilly
7	golu	22	varanasi
8	golu	22	varanasi

Figure 1: database

2 views.py for getting JSON data

```
# return all JSON data
def all_student_detail(request):
    stu=Student.objects.all()
    serializer=StudentSerializer(stu,many=True)
    return JsonResponse(serializer.data,safe=False)

# return specific JSON data
def specific_student_detail(request):
    stu=Student.objects.get(id=1)
    serializer=StudentSerializer(stu)
    return JsonResponse(serializer.data)
```

3 output for getting JSON data

```
{"name": "prashant", "roll": 59, "city": "mirzapur"}
```

Figure 2: get specific JSON data

```
[{"name": "prashant", "roll": 59, "city": "mirzapur"}, {"name": "raj", "roll": 35, "city": "Gorakhpur"}, {"name": "Piyush", "roll": 61, "city": "chitrakut"}, {"name": "amit", "roll": 55, "city": "bareilly"}, {"name": "golu", "roll": 22, "city": "varanasi"}, {"name": "golu", "roll": 22, "city": "varanasi"}]
```

Figure 3: get all JSON data