**>> আমরা যদি power shell থেকে sirializar এর মাধ্যমে data model এ save করাতে চাই তবে,**

python manage.py shell

from app.models import Student

from app.serializers import StudentSerializer

from rest\_framework.renderers import JSONRenderer

from rest\_framework.parsers import JSONParser

a = Student(name='Ovi', student\_class='x', gender='Male', roll=1007, email='ovi@gmail.com', waiver='True', description='Ovi is Lawyer', date\_of\_birth='1995-10-19')

a.save()

**>> Raw Formate Data Power Shell এর মাধ্যমে দেখতে চাইলে,**

b = StudentSerializer(a)

b.data

**Output:**

{ 'id': 5, 'name': 'Ovi', 'student\_class': 'x', 'gender': 'Male', 'roll': 1007, 'picture': None, 'email': 'ovi@gmail.com', 'waiver': True, 'date\_of\_birth': '1995-10-19', 'created\_at': '2023-05-16' }

**>> JSON Formate Data Power Shell এর মাধ্যমে দেখতে চাইলে,**

b = StudentSerializer(a)

c = JSONRenderer().render(b.data)

c

**Output:**

b'{ "id":5, "name":"Ovi", "student\_class":"x", "gender":"Male", "roll":1007, "picture":null, "email":"ovi@gmail.com", "waiver":true, "date\_of\_birth":"1995-10-19", "created\_at":"2023-05-16" }'

**>> Deserialization অনুরূপ আগেরমত। প্রথমত, আমরা পাইথন নেটিভ ডেটাটাইপগুলিতে একটি স্ট্রীম পার্স করি**

import io

x = io.BytesIO(c)

data = JSONParser().parse(x)

**>> তারপরে আমরা সেই নেটিভ ডেটাটাইপগুলিকে একটি সম্পূর্ণ পপুলেটেড অবজেক্ট ইনস্ট্যান্সে পুনরুদ্ধার করি।**

y = StudentSerializer (data=data)

y.is\_valid()

**Outpute:** True

y.validated\_data

**Output:**

OrderedDict([('name', 'Ovi'), ('student\_class', 'x'), ('gender', 'Male'), ('roll', 1007), ('picture', None), ('email', 'ovi@gmail.com'), ('waiver', True), ('date\_of\_birth', datetime.date(1995, 10, 19))])

y.save

**Output:** <Snippet: Student object>

**>> ModelSerializers Declaration:**

*class* StudentSerializer(*serializers*.*ModelSerializer*):

*class* Meta:

        model = Student

*# fields = '\_\_all\_\_'*

        fields = ['id', 'name', 'student\_class', 'gender', 'roll', 'picture', 'email', 'waiver', 'description', 'date\_of\_birth']

**>> py manage.py shell ব্যবহার করে কি ভাবে Table এর সবগুলু Field কে দেখা যায়:**

from app.serializers import StudentSerializer

a = StudentSerializer()

print(repr(a))

**StudentSerializer():**

**id** = IntegerField(label='ID', read\_only=True)

**name** = CharField(allow\_blank=True, allow\_null=True, max\_length=100, required=False)

**student\_class** = ChoiceField(choices=[('vi', 'vi'), ('vii', 'vii'), ('viii', 'viii'), ('ix', 'ix'), ('x', 'x')],

required=False)

**gender** = ChoiceField(choices=[('Male', 'Male'), ('Female', 'Female')], required=False)

**roll** = IntegerField(allow\_null=True, required=False)

**picture** = ImageField(allow\_null=True, max\_length=100, required=False)

**email** = EmailField(max\_length=50, validators=

[<UniqueValidator(queryset=Student.objects.all())>])

**waiver** = BooleanField(required=False)

**description** = CharField(max\_length=200, style={'base\_template': 'textarea.html'})

**date\_of\_birth** = DateField()