

# PYTHON ASSIGNMENT BOOK

MAKE A MOVE TO PYTHON



## ASSIGNMENTS

Task one On Django

Submitted By

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## REMOVE 'S' IN MODEL

Whenever we are saving any Data in Models.py, By default Django will add an extra 's' to Model Name in Database. In order to handle this, we can add **Class Meta** which allows additional option for our model by handling things like singular and plural. This can be used in following way.

### INCLUDING PRIMARY AND FOREIGN KEY IN MODEL:

**PRIMARY KEY:** A primary key, also called a primary keyword, is a key in a relational database that is unique for each record. If it is TRUE, then current field is set as Primary Key for the model. Primary key is the special database column designated to uniquely identify all different tables. If no field is specified as Primary key, then Django will automatically add a Field for this purpose.

**FOREIGN KEY:** A foreign key is a column or group of columns in a relational database table that provides a link between data in two tables. This Key is used to specify one to many relationships to another database model.

## Removing 's' and Primary and Foreign Key

```
from django.db import models

# Create your models here.
# name of table-->model(class)
# fields of my table--> attributes of class

class Signup(models.Model):
    id = models.CharField(max_length=30, primary_key=True)
    username = models.CharField(max_length=40)
    email = models.EmailField(max_length=50)
    password = models.CharField(max_length=20)

    def __str__(self):
        return self.username

    class Meta:
        verbose_name_plural = 'Signup'

class Session(models.Model):
    session=models.CharField(max_length=40, unique=True)

    def __str__(self):
        return self.session

    class Meta:
        verbose_name_plural = 'Session'

class Student(models.Model):
    name=models.CharField(max_length=20, unique=False)
```

```
session=models.ForeignKey("session", on_delete=models.PROTECT)
id = models.ForeignKey(Signup, on_delete=models.PROTECT,primary_key=True)
```

```
def __str__(self):
    return self.name
```

```
class Meta:
    verbose_name_plural = 'Student'
```

```
class Register(models.Model):
    first_name=models.CharField(max_length=20)
    last_name = models.CharField(max_length=30)
    email= models.EmailField(max_length=30)
    verify_email= models.EmailField(max_length=30)
    comment= models.CharField(max_length=30)
    password= models.CharField(max_length=30)
    verify_password = models.CharField(max_length=30)
```

```
def __str__(self):
    return self.first_name
```

```
class Meta:
    verbose_name_plural = 'Register'
```

← → ↺ 127.0.0.1:8000/admin/

## Django administration

### Site administration

AUTHENTICATION AND AUTHORIZATION		
Groups	<a href="#">+ Add</a>	<a href="#">✎ Change</a>
Users	<a href="#">+ Add</a>	<a href="#">✎ Change</a>
MYAPP		
Register	<a href="#">+ Add</a>	<a href="#">✎ Change</a>
Session	<a href="#">+ Add</a>	<a href="#">✎ Change</a>
Signup	<a href="#">+ Add</a>	<a href="#">✎ Change</a>
Student	<a href="#">+ Add</a>	<a href="#">✎ Change</a>

### Recent actions

#### My actions

- + Register object (2)  
Register
- + farhanafiroz89@icloud.com  
Register
- + farhanaonna  
Signup
- + farhanaonna  
Signup
- + Ishkhan  
Signup
- + Summer  
Session
- + Fall  
Session