1. Create A Django model Manager with Fields name, age, Departmentcreated_date, modified_date.

```
from django.db import models

class Manager(models.Model):

  name = models.CharField(max_length=30)

  age = models.IntegerField()

  Department = models.CharField(max_length=30)

  date_created = models.DateTimeField(auto_now=True)

  modified_date = models.DateTimeField(auto_now_add=True)



  def __str__(self):

      return self.name
```

2. Create A Django model Employee with Fields name, age, salary, Designation created_date, modified_date, reporting_manager(FK).

```
class Employee(models.Model):

  name = models.CharField(max_length=30)

  age = models.IntegerField()

  salary = models.IntegerField(null=True)

  Department = models.CharField(max_length=30)

  date_created = models.DateTimeField(auto_now=True)

  modified_date = models.DateTimeField(auto_now_add=True)
```

```
    reporting_manager = models.ForeignKey(Manager, on_delete=models.CASCADE, null=True)


    def __str__(self):

        return self.name
```

3. Add an Manager with Department development.

```
>>> manager1 =
Manager.objects.create(name='Deepak',age=21,Department='Development')
```

4. Add another Manager with Department UI.

```
 from employee.models import Manager,Employee

>>> manager2 =
Manager.objects.create(name='Aman',age=23,Department='UI')
```

5. Add an 3 Employee with Designation software-developer.(Use FK development department)

```
>>> employee1 = Employee.objects.create(name =
'Kishore',age=19,salary=30000,Department='Software Developer',

... reporting_manager = mang1)

>>> employee2 = Employee.objects.create(name =
'Kiresh',age=20,salary=30000,Department='Software
Developer',reporting_manager=mang1)

>>> employee3 = Employee.objects.create(name =
'Mukesh',age=20,salary=30000,Department='Software
Developer',reporting_manager=mang1)
```

6. Add an 2 Employee with Designation UI.(Use FK UI department)

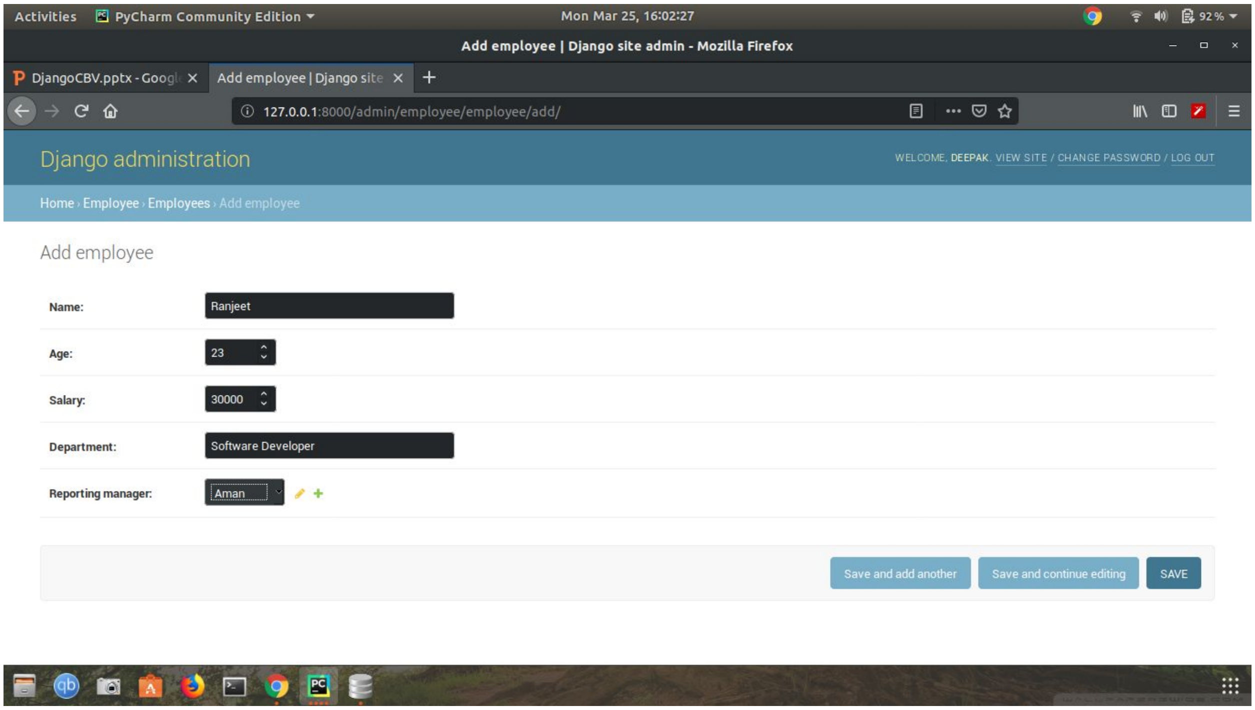
```
>>> mang2 = Manager.objects.get(pk=2)

>>> employee4 = Employee.objects.create(name = 'Ramesh',age=20,salary=30000,Department='UI',reporting_manager=mang2)

>>> employee5 = Employee.objects.create(name = 'Rakesh',age=20,salary=30000,Department='UI',reporting_manager=mang2)

>>>
```

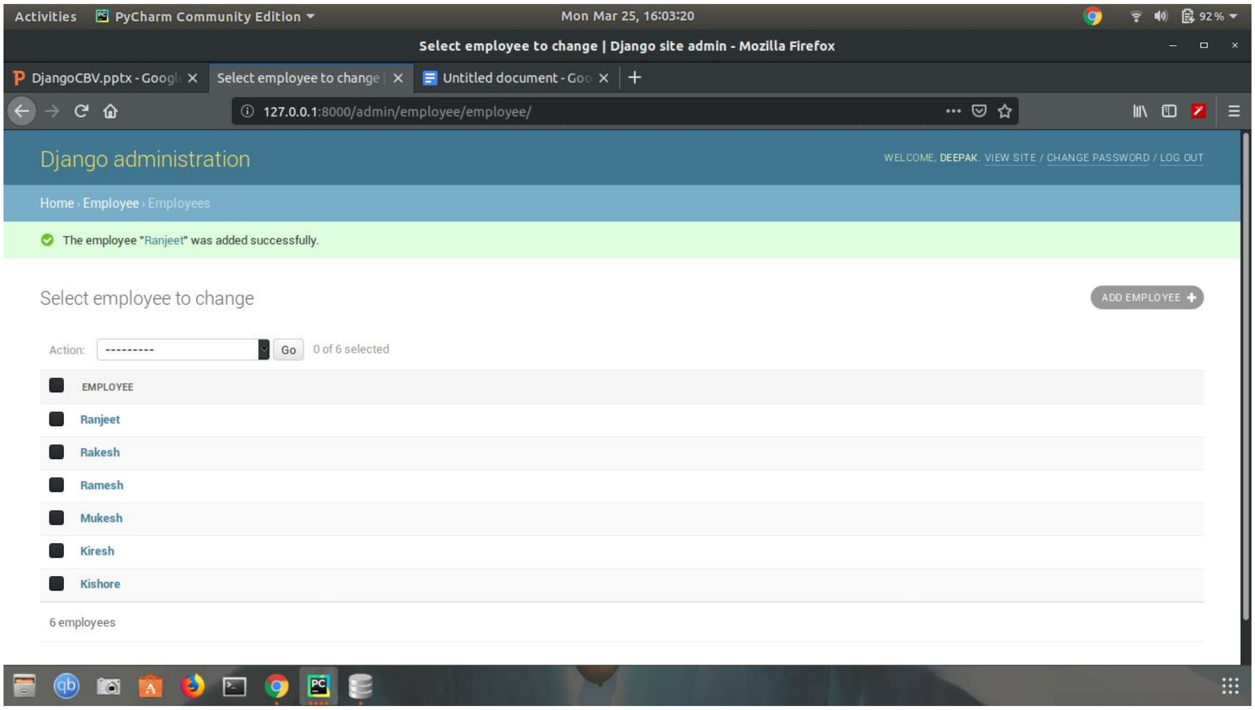
7. Admin do all the CURD operation.



Activities
PyCharm Community Edition
Mon Mar 25, 16:02:27
92 %
Add employee | Django site admin - Mozilla Firefox
DjangoCBV.pptx - Googl
Add employee | Django site
127.0.0.1:8000/admin/employee/employee/add/
Django administration
WELCOME, DEEPAK. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Employee › Employees › Add employee
Save and add another
Save and continue editing
SAVE

Add employee

Name:	Ranjeet
Age:	23
Salary:	30000
Department:	Software Developer
Reporting manager:	Aman



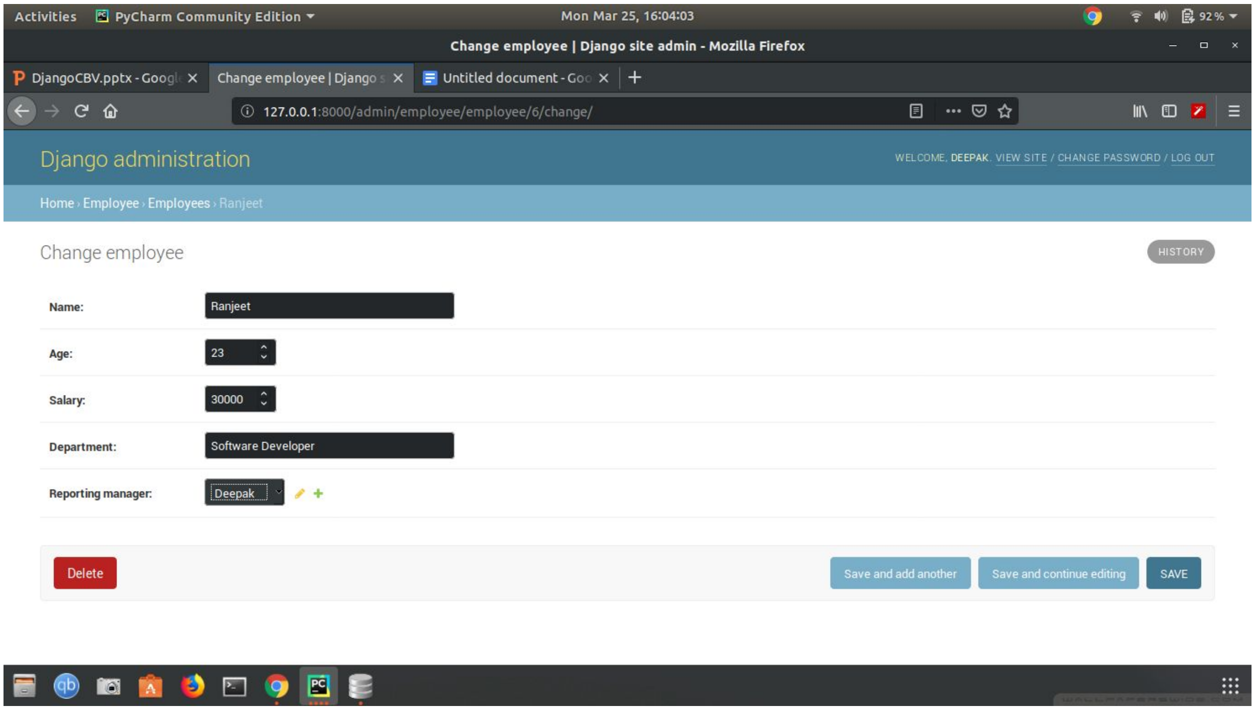
Activities
PyCharm Community Edition
Mon Mar 25, 16:03:20
92 %
Select employee to change | Django site admin - Mozilla Firefox
DjangoCBV.pptx - Googl
Select employee to change
Untitled document - Goo
127.0.0.1:8000/admin/employee/employee/
Django administration
WELCOME, DEEPAK. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Employee › Employees
ADD EMPLOYEE
Action: ---------
Go
0 of 6 selected

The employee "Ranjeet" was added successfully.

Select employee to change

□ EMPLOYEE
□ Ranjeet
□ Rakesh
□ Ramesh
□ Mukesh
□ Kiresh
□ Kishore

6 employees

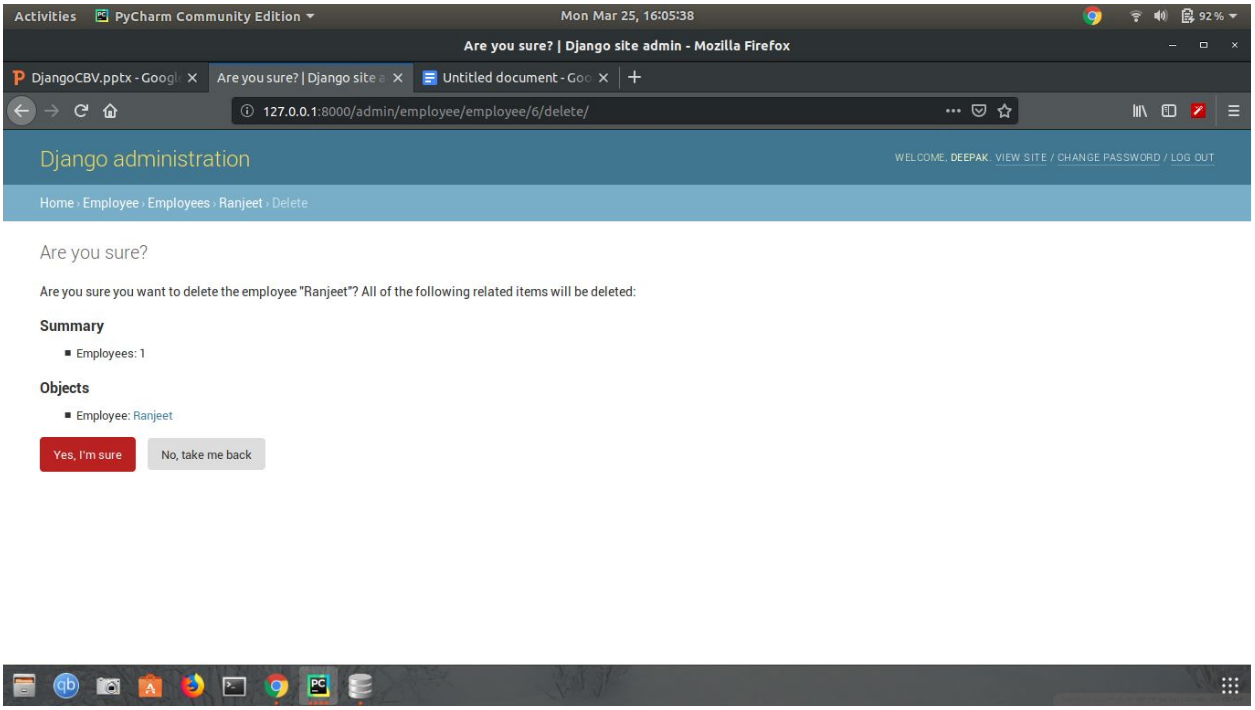

Activities
PyCharm Community Edition
Mon Mar 25, 16:04:03
92 %
Change employee | Django site admin - Mozilla Firefox
DjangoCBV.pptx - Googl
Change employee | Django s
Untitled document - Goo
127.0.0.1:8000/admin/employee/employee/6/change/
WELCOME, DEEPAK. VIEW SITE / CHANGE PASSWORD / LOG OUT
HISTORY
Delete
Save and add another
Save and continue editing
SAVE

Django administration

Home › Employee › Employees › Ranjeet

Change employee

Name:	Ranjeet
Age:	23
Salary:	30000
Department:	Software Developer
Reporting manager:	Deepak


Activities
PyCharm Community Edition
Mon Mar 25, 16:05:38
92 %
Are you sure? | Django site admin - Mozilla Firefox
DjangoCBV.pptx - Googl
Are you sure? | Django site a
Untitled document - Goo
127.0.0.1:8000/admin/employee/employee/6/delete/
WELCOME, DEEPAK. VIEW SITE / CHANGE PASSWORD / LOG OUT
Yes, I'm sure
No, take me back

Django administration

Home › Employee › Employees › Ranjeet › Delete

Are you sure?

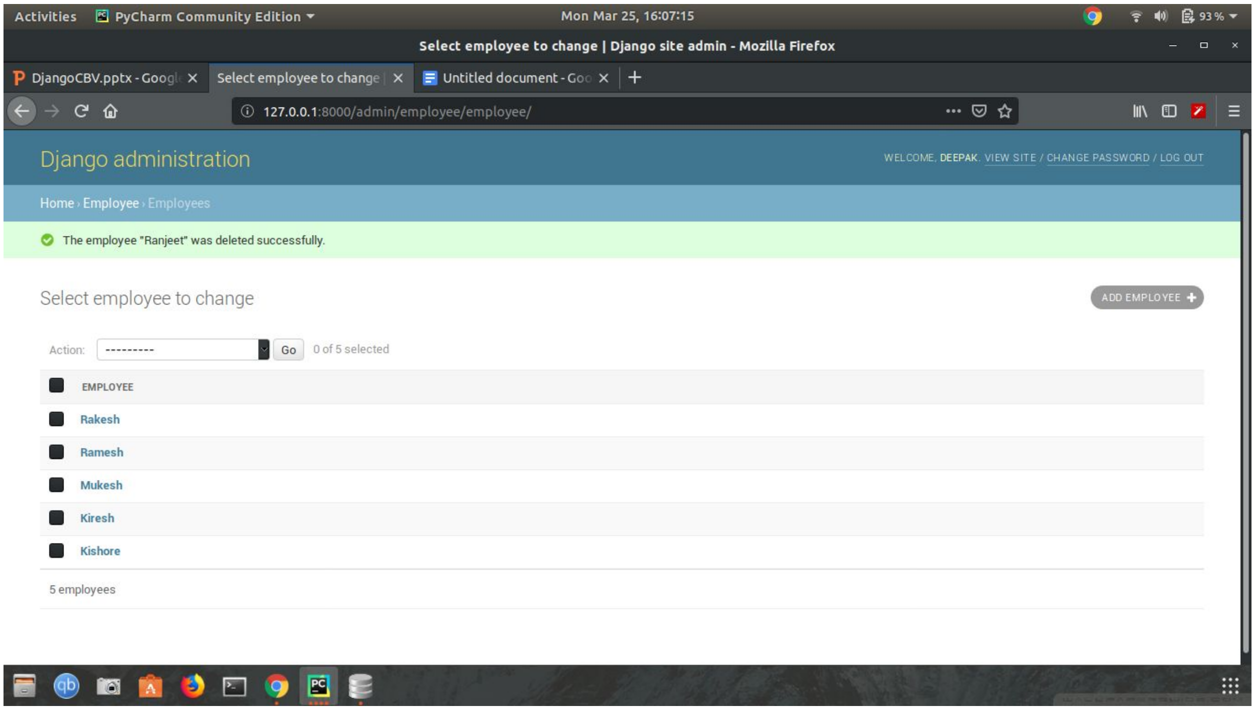
Are you sure you want to delete the employee "Ranjeet"? All of the following related items will be deleted:

Summary

- Employees: 1

Objects

- Employee: Ranjeet


Activities
PyCharm Community Edition
Mon Mar 25, 16:07:15
93 %
Select employee to change | Django site admin - Mozilla Firefox
DjangoCBV.pptx - Googl
Select employee to change |
Untitled document - Goo
127.0.0.1:8000/admin/employee/employee/
WELCOME, DEEPAK. VIEW SITE / CHANGE PASSWORD / LOG OUT
ADD EMPLOYEE
Go

Django administration

Home › Employee › Employees

The employee "Ranjeet" was deleted successfully.

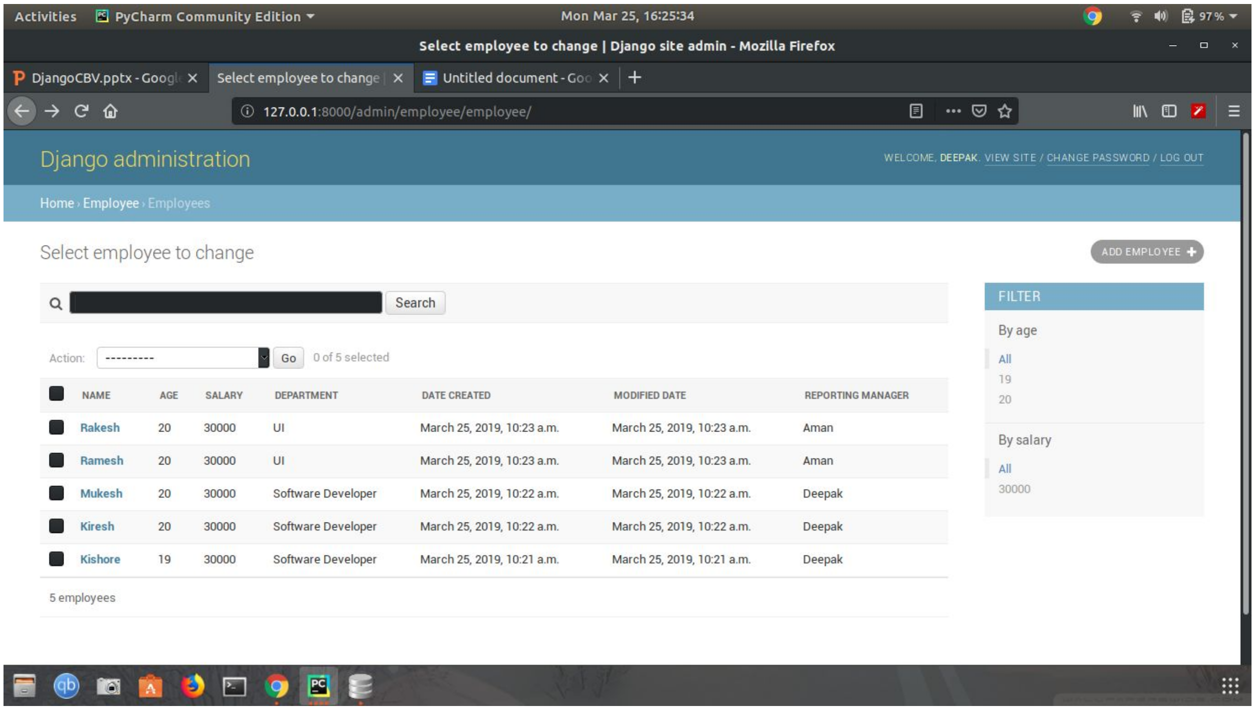
Select employee to change

Action: --------- Go 0 of 5 selected

	EMPLOYEE
□	Rakesh
□	Ramesh
□	Mukesh
□	Kiresh
□	Kishore

5 employees

8. Display all the fields in Django admin section.
9. Admin do filter by age and salary.
10. Admin do search Employee by name.
11. Use fieldsets in Employee model
    1. name and age in one section.
    2. salary and Designation in second section.
    3. reporting_manager in third section.
    4. other fields in last section.


Activities
PyCharm Community Edition
Mon Mar 25, 16:25:34
97 %
DjangoCBV.pptx - Googl
Select employee to change |
Untitled document - Goo
127.0.0.1:8000/admin/employee/employee/
WELCOME, DEEPAK. VIEW SITE / CHANGE PASSWORD / LOG OUT
Search
Go
ADD EMPLOYEE
FILTER

Select employee to change | Django site admin - Mozilla Firefox

Django administration

Home › Employee › Employees

Select employee to change

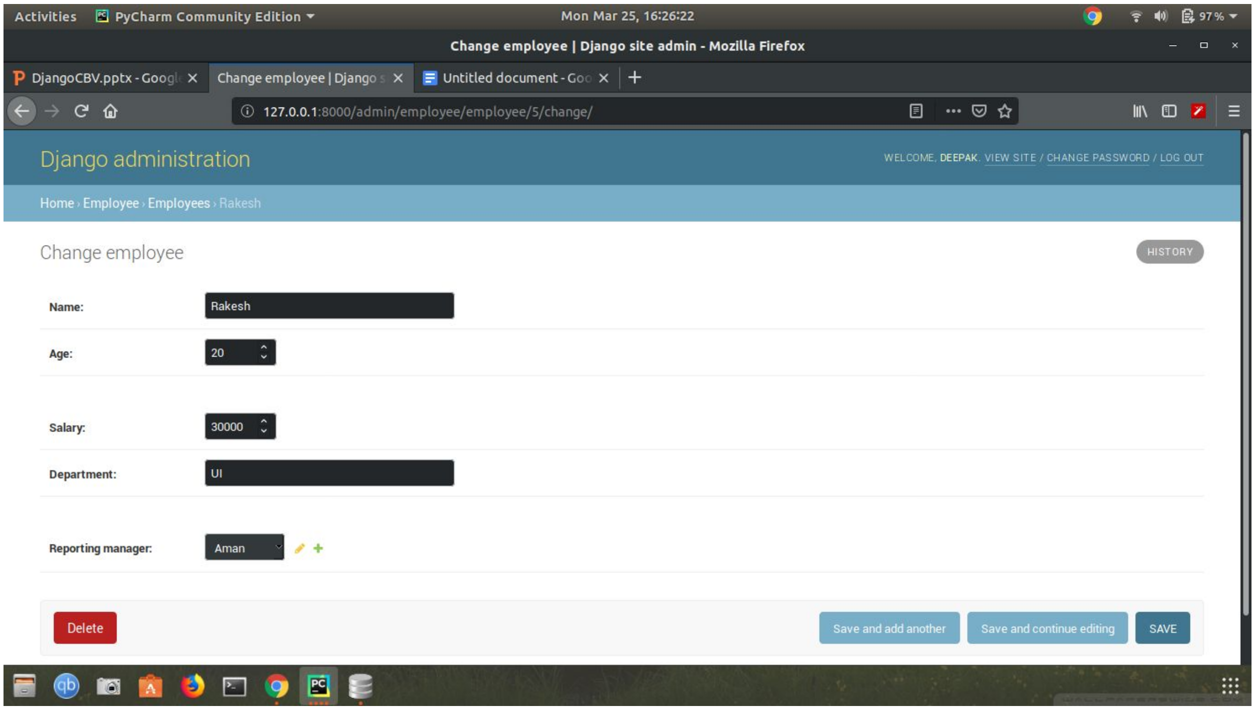
Action: ---------- 0 of 5 selected

■	NAME	AGE	SALARY	DEPARTMENT	DATE CREATED	MODIFIED DATE	REPORTING MANAGER
■	Rakesh	20	30000	UI	March 25, 2019, 10:23 a.m.	March 25, 2019, 10:23 a.m.	Aman
■	Ramesh	20	30000	UI	March 25, 2019, 10:23 a.m.	March 25, 2019, 10:23 a.m.	Aman
■	Mukesh	20	30000	Software Developer	March 25, 2019, 10:22 a.m.	March 25, 2019, 10:22 a.m.	Deepak
■	Kiresh	20	30000	Software Developer	March 25, 2019, 10:22 a.m.	March 25, 2019, 10:22 a.m.	Deepak
■	Kishore	19	30000	Software Developer	March 25, 2019, 10:21 a.m.	March 25, 2019, 10:21 a.m.	Deepak

5 employees

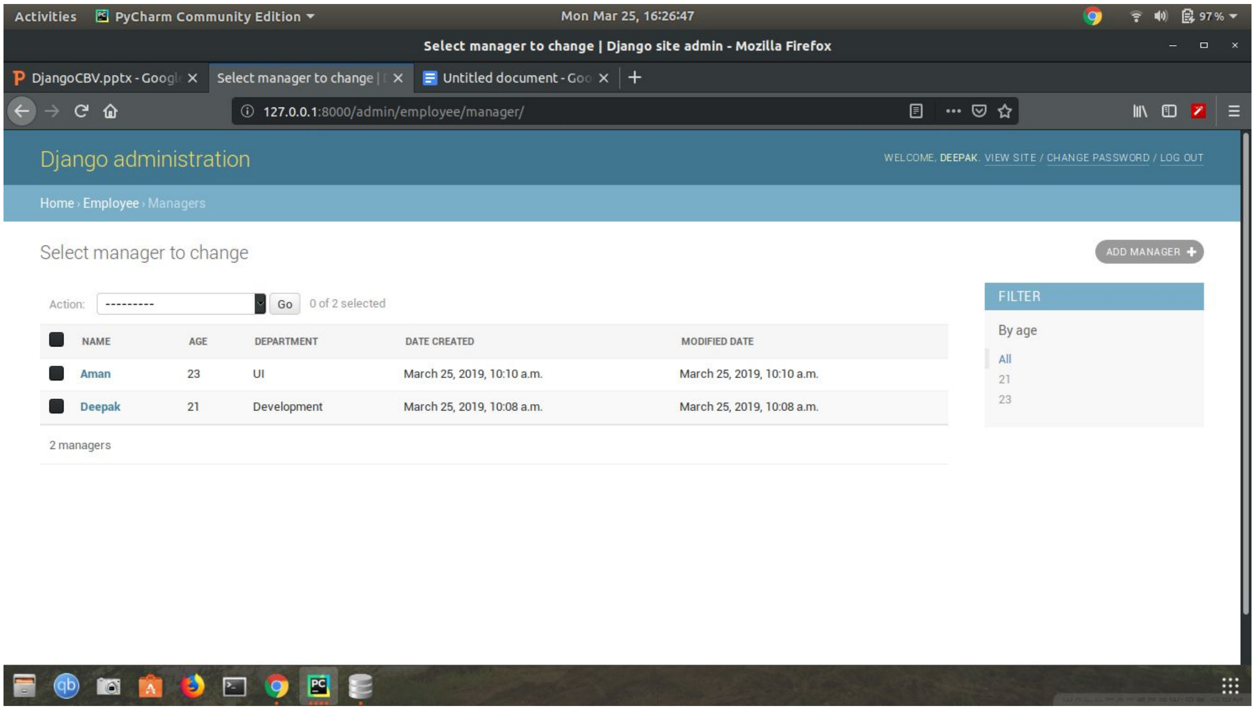
By age
All
19
20

By salary
All
30000


Activities
PyCharm Community Edition
Mon Mar 25, 16:26:22
97 %
Change employee | Django site admin - Mozilla Firefox
DjangoCBV.pptx - Googl
Change employee | Django s
Untitled document - Goo
127.0.0.1:8000/admin/employee/employee/5/change/
Django administration
WELCOME, DEEPAK. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Employee › Employees › Rakesh
HISTORY
Delete
Save and add another
Save and continue editing
SAVE

Change employee

Name:	Rakesh
Age:	20
Salary:	30000
Department:	UI
Reporting manager:	Aman


Activities
PyCharm Community Edition
Mon Mar 25, 16:26:47
97 %
Select manager to change | Django site admin - Mozilla Firefox
DjangoCBV.pptx - Googl
Select manager to change | I
Untitled document - Goo
127.0.0.1:8000/admin/employee/manager/
Django administration
WELCOME, DEEPAK. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Employee › Managers
ADD MANAGER
Action:

Go
0 of 2 selected

Select manager to change

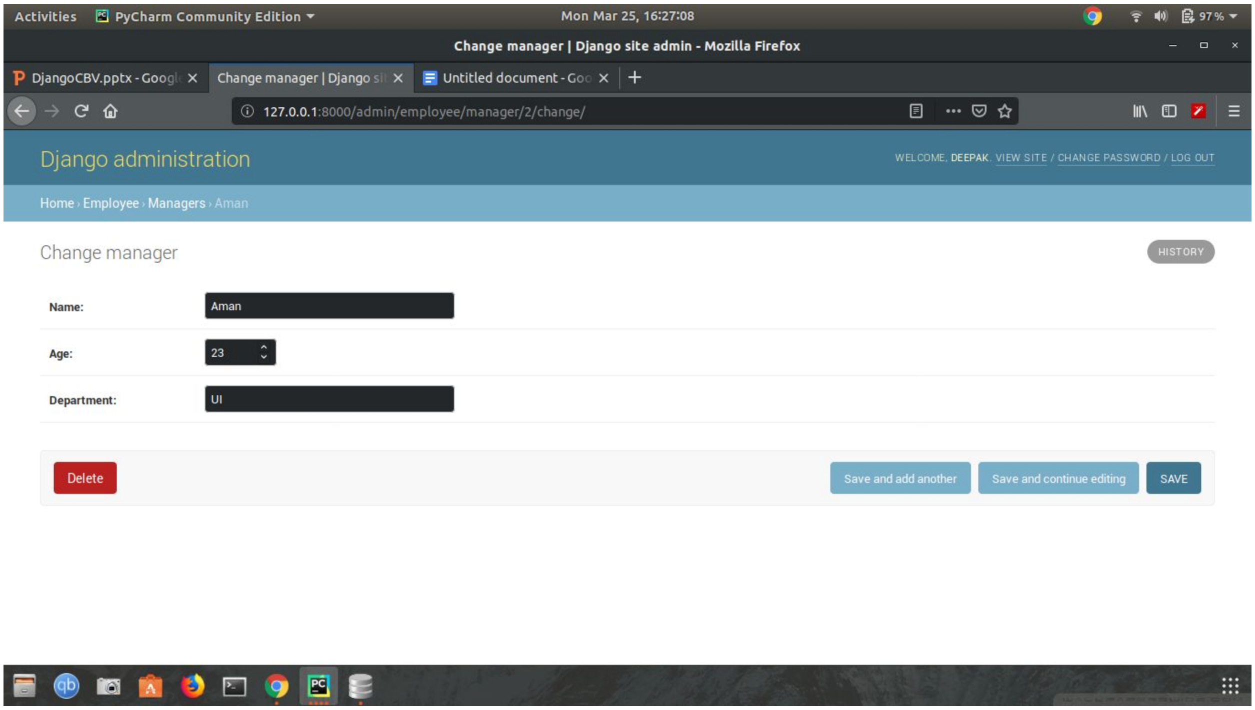
☐	NAME	AGE	DEPARTMENT	DATE CREATED	MODIFIED DATE
☐	Aman	23	UI	March 25, 2019, 10:10 a.m.	March 25, 2019, 10:10 a.m.
☐	Deepak	21	Development	March 25, 2019, 10:08 a.m.	March 25, 2019, 10:08 a.m.

2 managers

FILTER

By age

- All
- 21
- 23



Activities
PyCharm Community Edition
Mon Mar 25, 16:27:08
97 %
Change manager | Django site admin - Mozilla Firefox
DjangoCBV.pptx - Googl
Change manager | Django si
Untitled document - Goo
127.0.0.1:8000/admin/employee/manager/2/change/
Django administration
WELCOME, DEEPAK. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Employee › Managers › Aman
HISTORY
Delete
Save and add another
Save and continue editing
SAVE

Change manager

Name:	Aman
Age:	23
Department:	UI