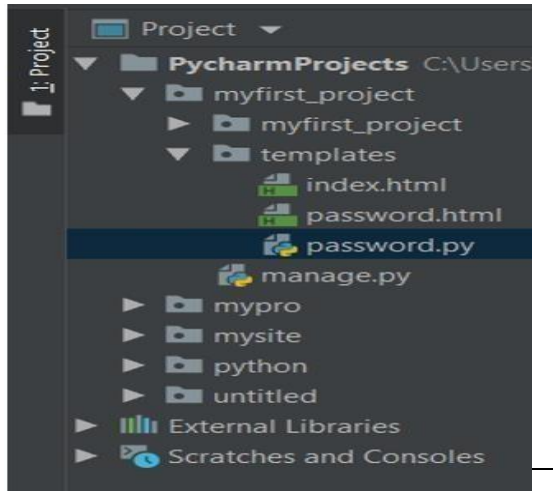
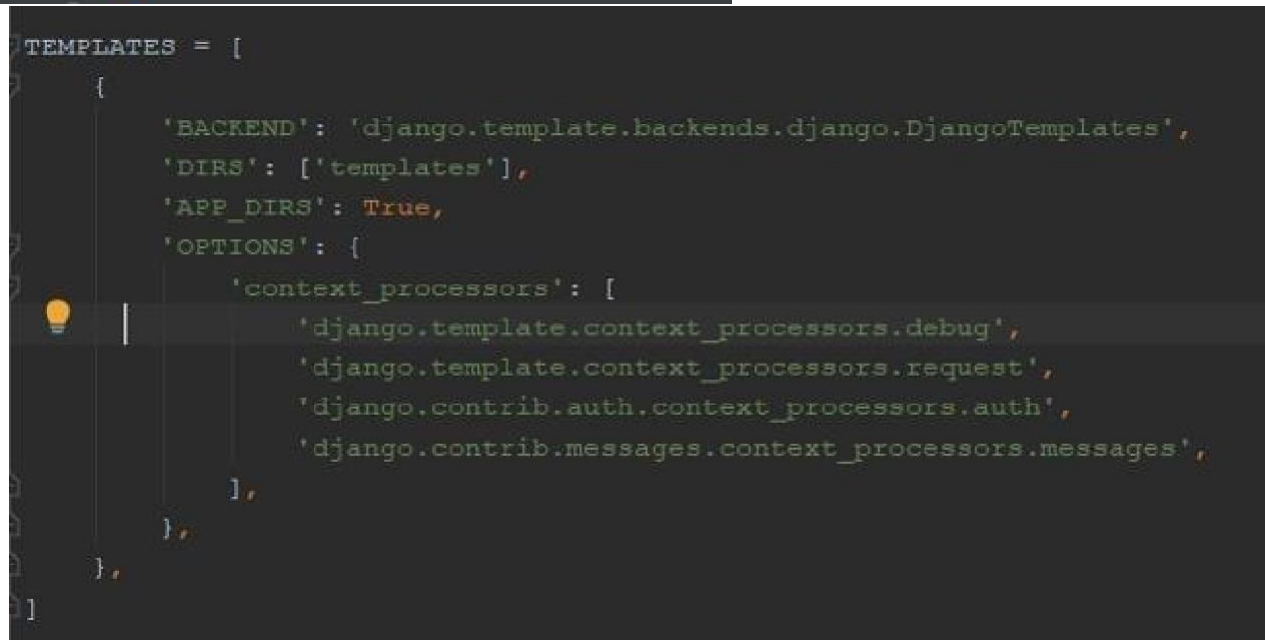
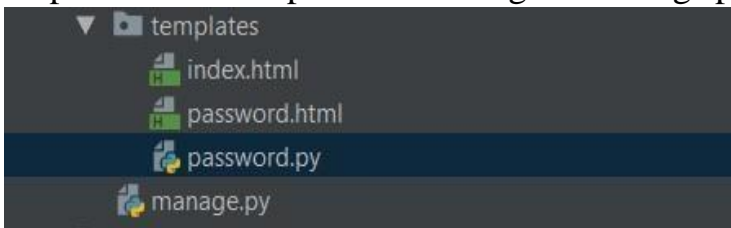


Practical:13

1.Create Django project name myfirst_project and open pycharm



Step:2 create a template and config the settings.py file



Step:3config urls.py file and create 4 url from

```
django.contrib import admin from
django.urls import path from
import views urlpatterns = [ path('admin/', admin.site.urls),
path('', views.index, name='index'),
    path('about', views.about, name='about'),    path('passgen', views.passgen, name='passgen'),
    path('pass1', views.pass1, name='pass1'), ]
```

Step:4 In template create index.html file

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8"><title>Title</title>
</head> <body><script> function
randomPassword(length) {
    var chars =
"abcdefghijklmnopqrstuvwxyz!@#$ABCDEFGHJKLMNOP1234567
890"; var pass = ""; for (var x = 0;
    x < length; x++)
    {    vari = Math.floor(Math.random() * chars.length);    pass += chars.charAt(i);
    }
    return pass; } function generate() {
myform.row_password.value =
randomPassword(myform.length.value); } </script>
<form    name="myform"    method="post"
action=""><input type="hidden" name="length"
value="10"> <table width="100%" border="0">

<tr>
<td>Password:</td>
<td>
<input name="row_password" type="text" size="40">&nbsp;
<input type="button" class="button" value="Generate" onClick="generate();" tabIndex="2"> </td>
</tr>
</table>
</form>
</body>
</html>
```

Step:5 create password.html

```
<!DOCTYPEhtml>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Title</title>
</head>
<body>
<h1>Password Generator</h1><br>
auto generated password is : { { password } }<br><br>
</body>
</html>
```

Step:6 create views.py file

```
fromdjango.httpimportHttpResponsefrom django.shortcutsimportrender
import random defindex(request): return HttpResponse('"<h1><font color='red'>My
First Django
Project!!!</font></h1>
<h2><a href="http://127.0.0.1:8000/about">About me</a><br>
<a href="http://127.0.0.1:8000/pass1">Password Generator</a><br>
<a href="http://127.0.0.1:8000/passgen">Password Generator using HTML</a><br>
<br>18012011024</h2>"')
# return render(request,'index.html') defabout(request):
return HttpResponse("hello <br>I am a student developer of UVPCE Ganpat University<br>My
enrollment number:18012011024") defpassgen(request):
return render(request, 'index.html') defpass1(request):
    characters =
list('abcdefghijklmnopqrstuvwxyz') if
request.GET.get('uppercase'):
characters.extend(list('ABCDEFGHIJKLMNOPQRSTUVWXYZ'))
if request.GET.get('specialcharacters'):
```

```
characters.extend(list('!@#$$%^&*'))
if request.GET.get('numbers'):
    characters.extend(list('0123')) length
    = int(request.GET.get('length',
12)) thepassword = " for x in range(length): thepassword += random.choice(characters) return
render(request,'password.html',{ 'password':
    thepassword}))
```

• Output:

Run the application it's show index page



Now click on password generator link



Now click on HTML password generator link

← → ↻ ⓘ 127.0.0.1:8000/passgen

Apps Gmail YouTube OS Online Bash She...

Password:

Now click on About me link

← → ↻ ⓘ 127.0.0.1:8000/about

Apps Gmail YouTube OS Online Bash She...

hello
I am a student developer of UVPCE Ganpat University