

Django Template examples with data passing from Views:-

Project Structure:-

Open command prompt in windows
then in command prompt type **d:**

and press enter .

and use following commands

To create folder myap -execute the following command:

```
D:\> mkdir myap
```

To go myap folder path -execute the following command:

```
D:\>cd myap
```

To create a virtual environment for your project, open a new command prompt, navigate to the **myap** folder where you want to create your project and then execute the following command:-

```
D:\myap>python -m venv env
```

In the command prompt, ensure your virtual environment is active, and execute the following command:

```
D:\myap>env\Scripts\activate
```

execute the following command to install django.

```
D:\myap>pip install django
```

run the following command - This will create a **myproject** directory in your current directory

```
D:\myap>django-admin startproject newyear
```

then go to myproject folder path type following command :-

```
D:\myap>cd newyear
```

To create your app, make sure you're in the your project directory & type this command:

```
D:\myap\myproejct>python manage.py startapp hello
```

That'll create a directory **hello app folder inside newyear folder**:



EXPLORER



NEWYEAR

hello

> __pycache__

> migrations

templates

<> about.html

<> index.html

__init__.py

admin.py

apps.py

models.py

tests.py

urls.py

views.py 1

newyear

> __pycache__

__init__.py

asgi.py

cube.py

list.py

namage.py

oddeven.py

prime.py

prime1.py

settings.py

sum.py

swan.py

In Newyear project folder open settings.py file & add app name 'hello' as shown below :-

```
> about.html  views.py 1  settings.py X
newyear > settings.py > ...
21
22 # SECURITY WARNING: keep the secret key used in prod
23 SECRET_KEY = 'django-insecure-6u&bylcys(h8p91bmz51du
24
25 # SECURITY WARNING: don't run with debug turned on in
26 DEBUG = True
27
28 ALLOWED_HOSTS = []
29
30
31 # Application definition
32
33 INSTALLED_APPS = [
34     'django.contrib.admin',
35     'django.contrib.auth',
36     'django.contrib.contenttypes',
37     'django.contrib.sessions',
38     'django.contrib.messages',
39     'django.contrib.staticfiles',
40     'hello',
41 ]
42
```

urls.py file under newyear project folder:-

```
from django.contrib import admin
from django.urls import path,include

urlpatterns = [
    path('admin/', admin.site.urls),
    path('hello/', include('hello.urls')),
]
```

Now Go **hello** app folder:-

And write code for views.py file code inside hello app folder:-

```
from django.shortcuts import render

# Create your views here.
def about(request):

    peoples=[{'name':'raj'},{'name':'shubham'}]
    return render(request, 'about.html',{'peoples':peoples})

def index(request):
    return render(request, 'index.html')
```

and Write code for urls.py file code inside hello app folder :-

```
from django.urls import path
from . import views

urlpatterns = [
    path('', views.index, name='index'),

    path('about/', views.about, name='about'),
]
```

And now create templates folder and inside it create

about.html file code :-

```
<h1> hello about page </h1>

{% for people in peoples %}
```

```
<p>{{people.name}}</p>
{% endfor %}
```

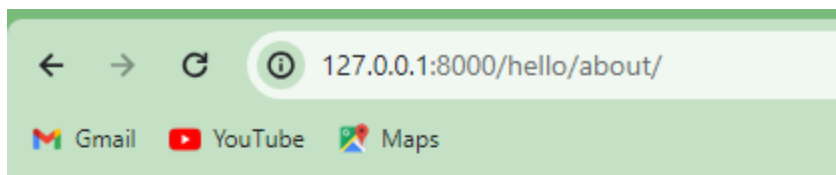
index.html file code:-

```
<h1> welcome </h1>
```

Finally run with command:-

```
py manage.py runserver
```

and you will see output:-



hello about page

raj

shubham