



# Instructivo Desarrollo de CRUD con Django

**Sena Regional Tolima- Centro de Industria y Construcción**

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## TUTORIAL No 3

### Creación de la vista y la plantilla home

1. En el archivo views.py, se crea la vista home

The screenshot shows the Visual Studio Code interface with the file explorer on the left displaying the project structure. The main editor window shows the `views.py` file with the following code:

```

1 from django.shortcuts import render
2 from .models import Tarea
3 # Create your views here.
4 def home(request):
5     tareas=Tarea.objects.all()
6     context={'tareas':tareas}
7     return render(request,'home.html',context)
8
9
10

```

The Explorer sidebar shows the project structure for `PROYECTODJANGO2`, including files like `urls.py`, `wsgi.py`, `__pycache__`, `migrations`, `Templates` (with `home.html`), `__init__.py`, `admin.py`, `apps.py`, `models.py`, `tests.py`, and `views.py`.

2. Crear url de la vista creada.

The screenshot shows the Visual Studio Code interface with the file explorer on the left displaying the project structure. The main editor window shows the `urls.py` file with the following code:

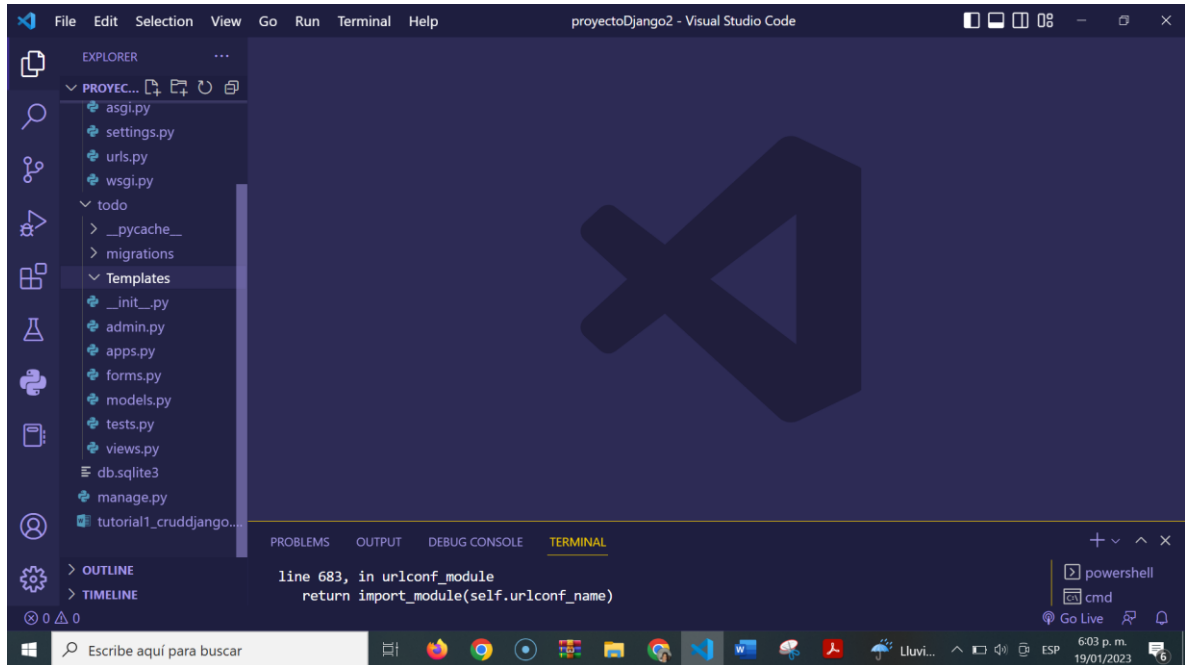
```

13 1. Import the include() function: from django.urls import include, path
14 2. Add a URL to urlpatterns: path('blog/', include('blog.urls'))
15 """
16 from django.contrib import admin
17 from django.urls import path,include
18 from . import views
19
20 urlpatterns = [
21     path('admin/', admin.site.urls),
22     path("", include("todo.urls")),
23     path("", views.home,name="home"),
24 ]
25
26

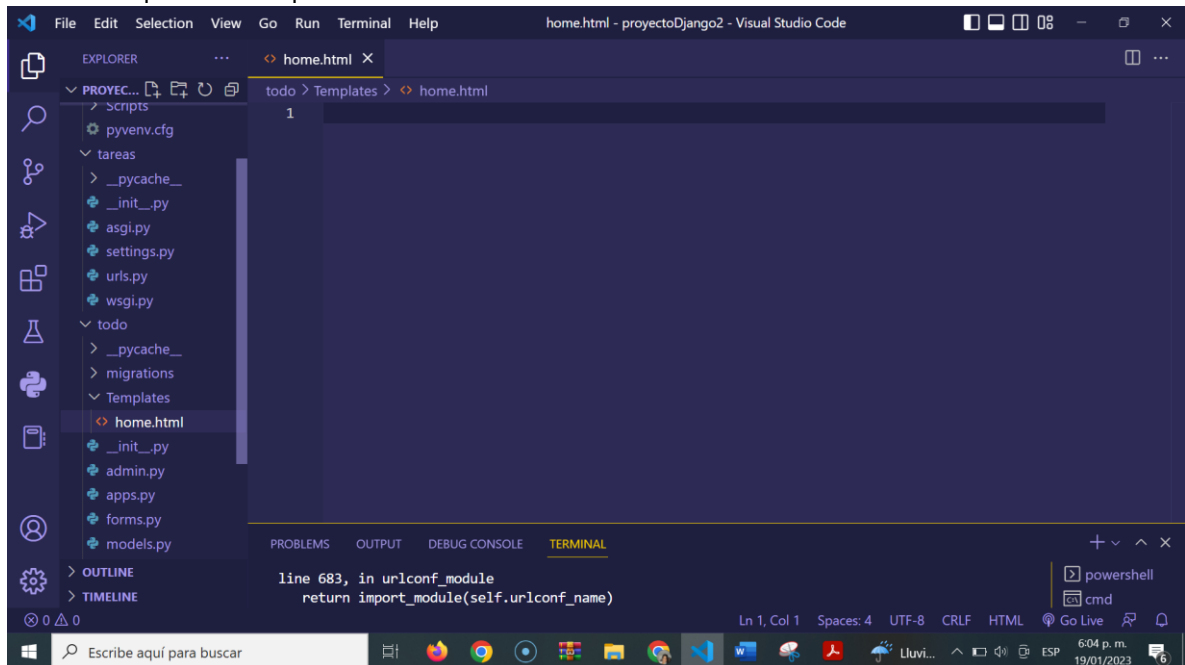
```

The Explorer sidebar shows the project structure for `PROYECTODJANGO2`, including files like `env`, `tareas` (with `__pycache__`, `__init__.py`, `asgi.py`, `settings.py`, `urls.py`, `wsgi.py`), `todo` (with `__pycache__`, `migrations`, `__init__.py`, `admin.py`, `apps.py`, `forms.py`, `models.py`, `tests.py`, `views.py`), `db.sqlite3`, `manage.py`, `tutorial1_cruddjango...`, `tutorial2.1.docx`, and `Tutorial2.docx`.

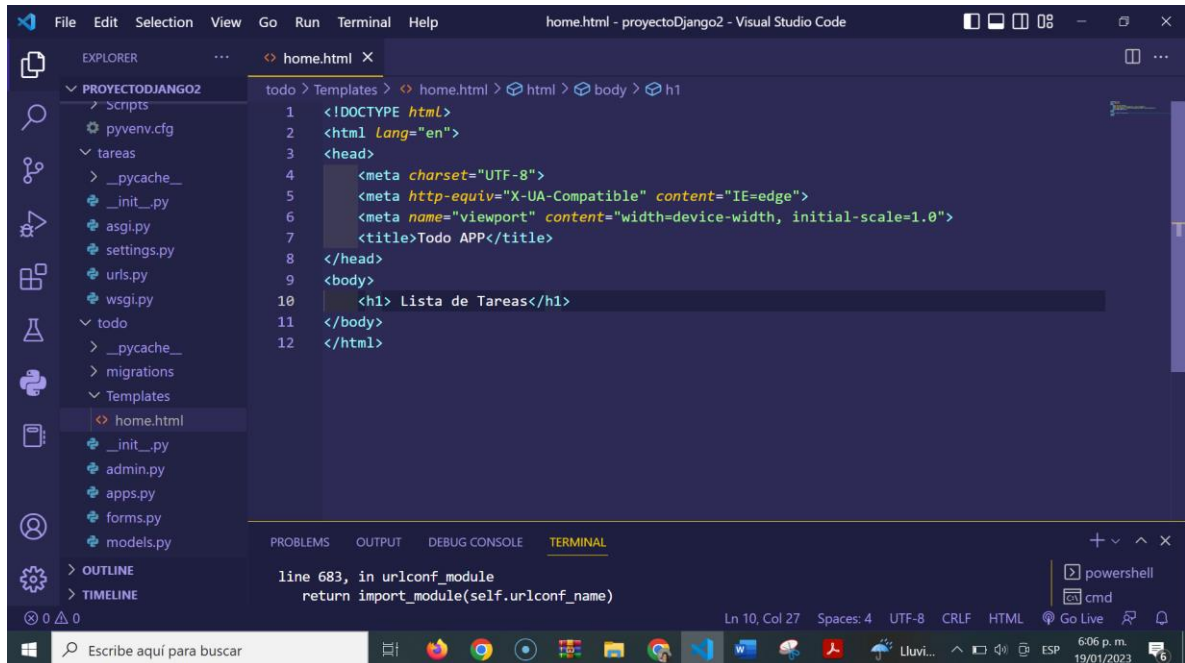
### 3. Se crea la carpeta Templates



En la carpeta Templates se crea el archivo home.html



#### 4. En el archivo home.html



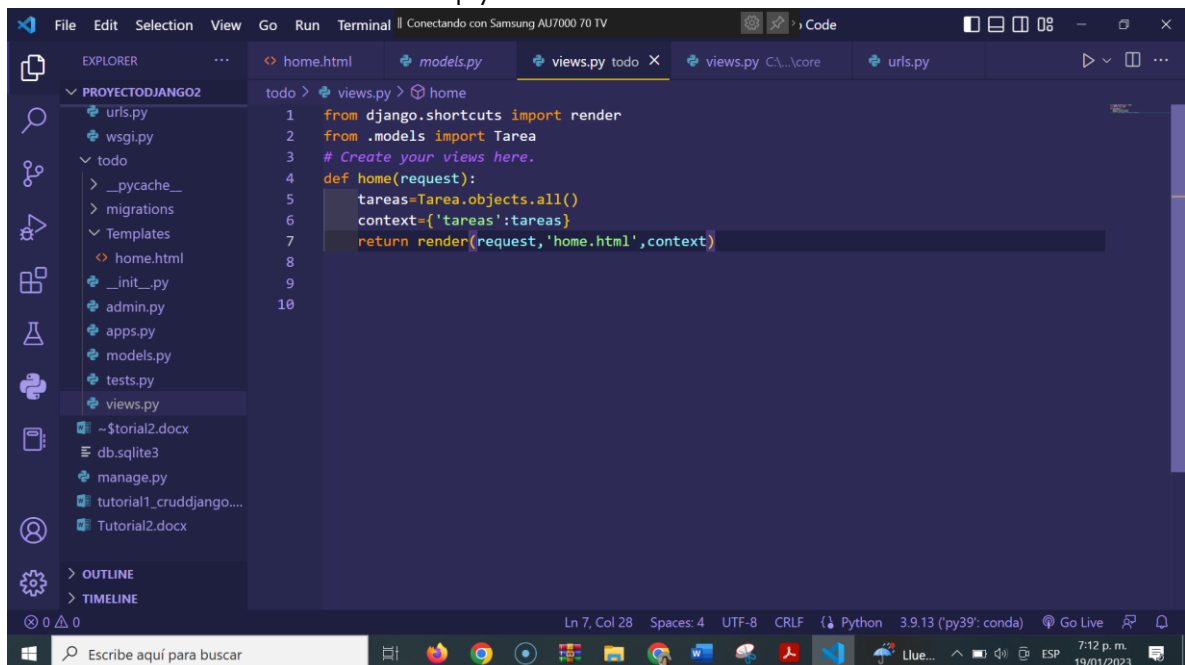
```

1 <!DOCTYPE html>
2 <html Lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Todo APP</title>
8 </head>
9 <body>
10  <h1> Lista de Tareas</h1>
11 </body>
12 </html>

```

The screenshot shows the Visual Studio Code interface with the 'home.html' file open. The Explorer sidebar on the left shows the project structure for 'PROYECTODJANGO2', including files like 'urls.py', 'wsgi.py', 'views.py', and 'models.py'. The main editor area displays the HTML code for the 'home.html' file, which includes a DOCTYPE declaration, HTML and head tags, meta tags for charset, X-UA-Compatible, and viewport, a title 'Todo APP', and a body containing a single h1 tag 'Lista de Tareas'.

#### 5. Se modifica el archivo views.py



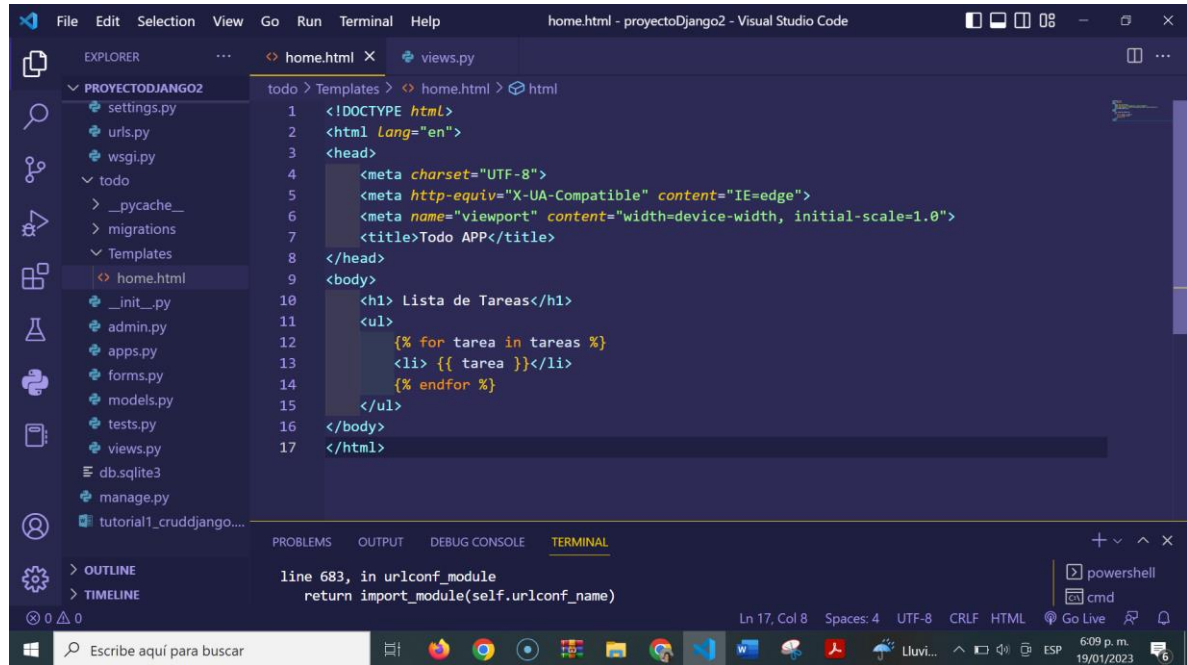
```

1 from django.shortcuts import render
2 from .models import Tarea
3 # Create your views here.
4 def home(request):
5     tareas=Tarea.objects.all()
6     context={'tareas':tareas}
7     return render(request,'home.html',context)
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```

The screenshot shows the Visual Studio Code interface with the 'views.py' file open. The Explorer sidebar on the left shows the project structure for 'PROYECTODJANGO2', including files like 'urls.py', 'wsgi.py', 'views.py', and 'models.py'. The main editor area displays the Python code for the 'views.py' file, which includes imports for 'render' from 'django.shortcuts' and 'Tarea' from '.models', a comment '# Create your views here.', and a 'home' function that queries all 'Tarea' objects, creates a context dictionary, and renders the 'home.html' template.

## 6. Se retoma el archivo home.html



```
File Edit Selection View Go Run Terminal Help
home.html - proyectoDjango2 - Visual Studio Code

EXPLORER
PROYECTO Django2
  settings.py
  urls.py
  wsgi.py
  todo
    __pycache__
    migrations
    Templates
      home.html
  __init__.py
  admin.py
  apps.py
  forms.py
  models.py
  tests.py
  views.py
  db.sqlite3
  manage.py
  tutorial1_cruddjango....

home.html
1 <!DOCTYPE html>
2 <html Lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Todo APP</title>
8 </head>
9 <body>
10  <h1> Lista de Tareas</h1>
11  <ul>
12    {% for tarea in tareas %}
13    <li> {{ tarea }}</li>
14    {% endfor %}
15  </ul>
16 </body>
17 </html>

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
line 683, in urlconf_module
return import_module(self.urlconf_name)

Ln 17, Col 8 Spaces: 4 UTF-8 CRLF HTML Go Live
```

## 7. Este es el resultado en el navegador

