EX NO:	
Date:	**SERVE A HTTP RESPONSE USING DJANGO**

AIM:

To write a program to serve a HTTP response using Django.

PROCEDURE:

Step 1: First install Django using **pip install django**.

Step 2: Create a new Django project by run the command **django-admin startproject myproject**.

Step 3: Navigate to the project and create the new app in the project.

Step 4: Add the app to installed apps and Create a simple view for HTTP response.

Step 5: Create an HTML template and define URLs for the views.

Step 6: Include the main urls.py file for the project.

Step 7: Run the development server using **python manage.py runserver**.

Step 8: Open the web browser and go to the URLs http://127.0.0.1:8000/response/, http://127.0.0.1:8000/html/ for access the views

Program:

myproject/settings.py

```
INSTALLED_APPS = [

    'myapp',

]
```

myapp/views.py

```python
from django.http import HttpResponse

from django.shortcuts import render

def simple_response(request):

    return HttpResponse("Hello, this is a simple HTTP response!")

def simple_html_page(request):

    return render(request, 'myapp/simple_page.html')
```

simple_page.html

```html
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <title>Simple HTML Page</title>

</head>

<body>

    <h1>Hello, this is a simple HTML page served by Django!</h1>

</body>

</html>
```

urls.py

```python
from django.urls import path

from . import views

urlpatterns = [

    path('response/', views.simple_response, name='simple_response'),

    path('html/', views.simple_html_page, name='simple_html_page'),

]
```

urls.py

```python
from django.urls import path

from . import views

urlpatterns = [

    path('admin/', admin.site.urls),

    path('response/', views.simple_response, name='simple_response'),

    path('html/', views.simple_html_page, name='simple_html_page'),

]
```
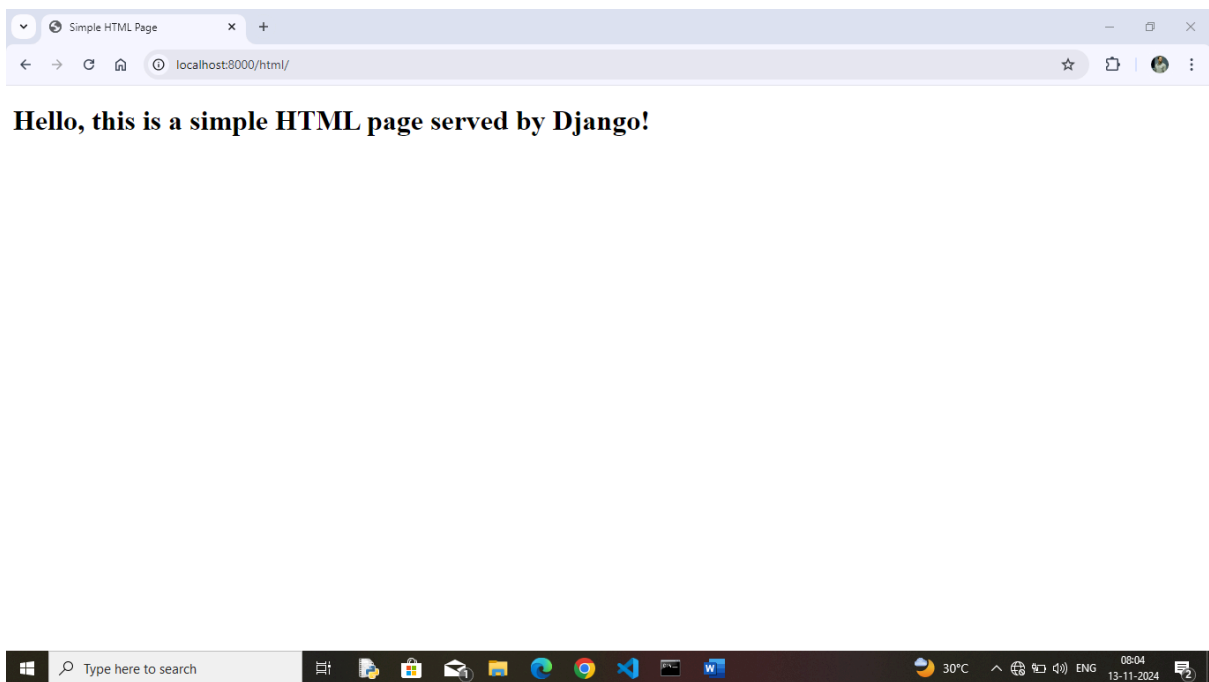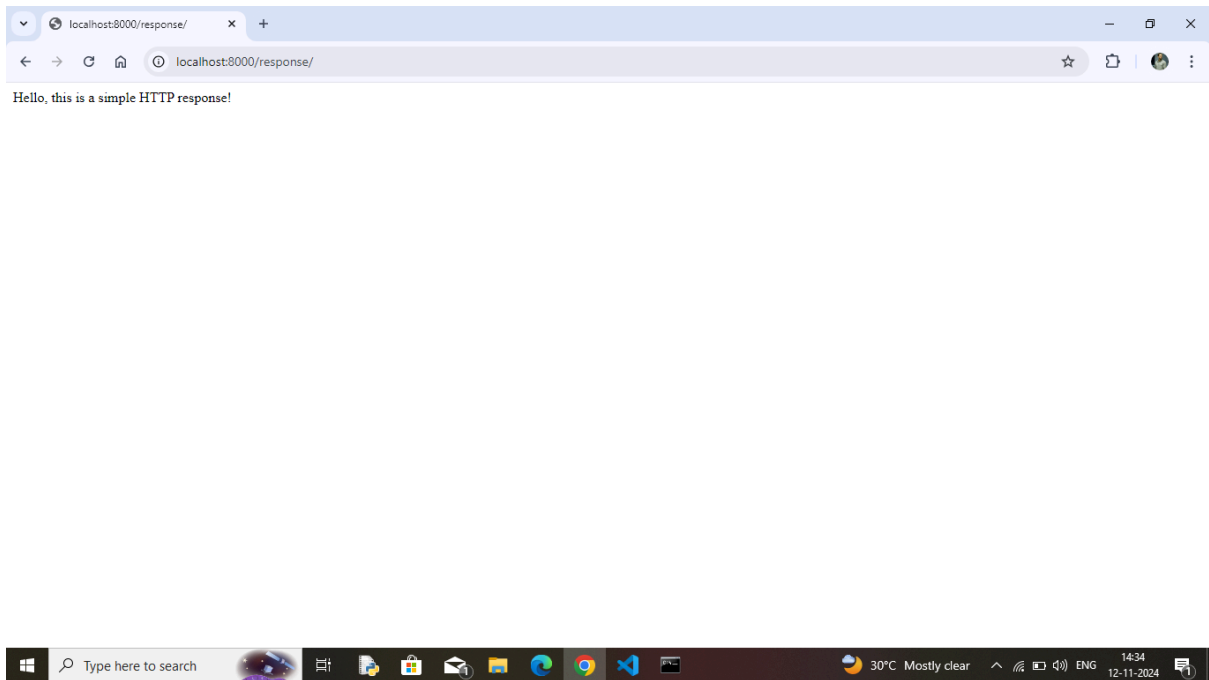
Output:

Hello, this is a simple HTTP response!

Hello, this is a simple HTML page served by Django!

Result:

Thus the serve a http response using Django was executed successfully.