**WEEK – 11**

**Aim:** Django Project ( URL Shortner )

**Code**:

**Main file ( shortner)**

**admin.py:**

from django.contrib import admin

from .models import Url

# Register your models here.

admin.site.register(Url)

**apps.py:**

from django.apps import AppConfig

class ShortnerConfig(AppConfig):

    name = 'shortner'

**models.py:**

from django.db import models

# Create your models here.

class Url(models.Model):

    link = models.CharField(max\_length=10000)

    uuid = models.CharField(max\_length=10)

**urls.py:**

from django.urls import path

from . import views

urlpatterns = [

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

    path('create', views.create, name='create'),

    path('<str:pk>', views.go, name='go')

]

**views.py:**

from django.shortcuts import render, redirect

import uuid

from .models import Url

from django.http import HttpResponse

# Create your views here.

def index(request):

    return render(request, 'index.html')

def create(request):

    if request.method == 'POST':

        link = request.POST['link']

        uid = str(uuid.uuid4())[:5]

        new\_url = Url(link=link,uuid=uid)

        new\_url.save()

        return HttpResponse(uid)

def go(request, pk):

    url\_details = Url.objects.get(uuid=pk)

    return redirect('https://'+url\_details.link)

**URLSHORTNER:**

**urls.py:**

from django.contrib import admin

from django.urls import path, include

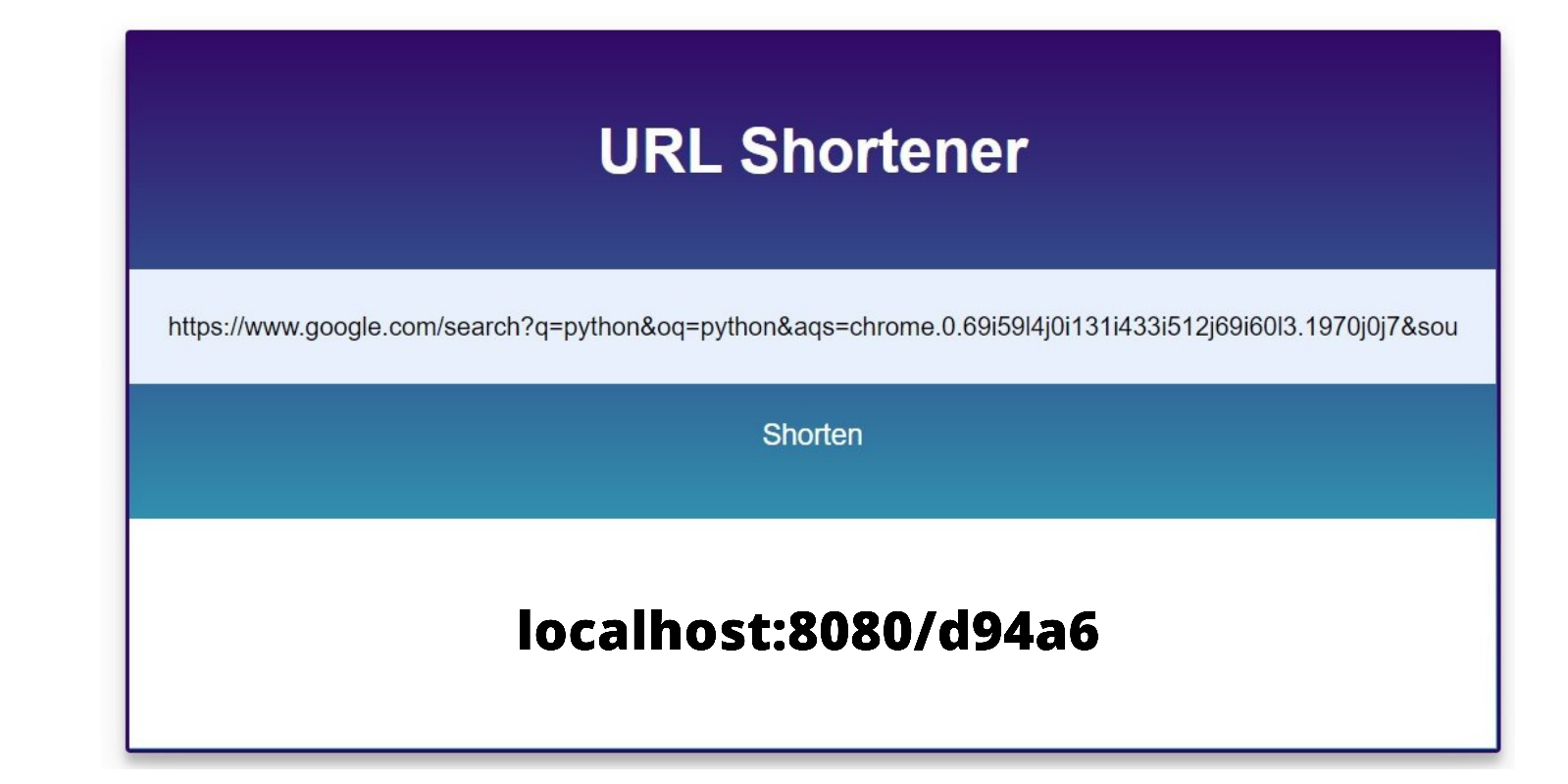
urlpatterns = [

    path('admin/', admin.site.urls),

    path('', include('shortner.urls'))

]

**OUTPUT:**

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