**Prerequisites**

Install either Python or the Anacondas distribution of Python.

Install the Django and Django REST frameworks with below commands:

* pip install django
* pip install djangorestframework

For the Anacondas Python distribution, use the below commands:

* conda install django
* conda install -c conda-forge djangorestframework
* **Step 1:** Navigate to any folder you want in order to create the django project, open the command prompt there and enter the following command:
* django-admin startproject SampleProject
* **Step2:**Navigate to the project folder and create a web app using the below command:
* python manage.py startapp MyApp

**Step 3:**Open the settings.py file and add the below lines of code in the INSTALLED\_APPS section:

'rest\_framework',

'MyApp',

**Step4:**Open views.py file inside MyApp folder and add the below lines of code:

from django.shortcuts import render

from django.http import Http404

from rest\_framework.views import APIView

from rest\_framework.decorators import api\_view

from rest\_framework.response import Response

from rest\_framework import status

from django.http import JsonResponse

from django.core import serializers

from django.conf import settings

import json

# Create your views here.

@api\_view(["POST"])

def IdealWeight(fahrenheit\_data):

try:

fahrenheit=json.loads(fahrenheit\_data.body)

celsius=str(((56\*fahrenheit-32)\*5)/9)

return JsonResponse("Converting the value in celsius: "+celsius+"°C",safe=False)

except ValueError as e:

return Response(e.args[0],status.HTTP\_400\_BAD\_REQUEST)

**Step5:**Open urls.py file and add the below lines of code:

from django.conf.urls import url

from django.contrib import admin

from MyApp import views

urlpatterns = [

url(r'^admin/', admin.site.urls),

url(r'^idealweight/',views.IdealWeight)

]

**Step6:**We can start the api with below commands in command prompt:

python manage.py runserver

Finally, we can test the API using POSTMAN.