**##### Hello-World project ####**

create-project : django-admin startproject helloworld\_project .

run project : python manage.py runserver

create-applicaion : python manage.py startapp main\_application || after creating apps, add this to settings.py-> installed app

from django.urls import path, include || add include method

urlpatterns = [

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

path('', include('main\_application.urls'))

]

+ by default, apps folder has no default urls.py file, need to create this -> urls.py at main\_application

from django.urls import path

from . import views

urlpatterns = [

path('', views.homeView, name='home'),

]

+ at views.py, write below method

from django.http import HttpResponse

def homeView(request):

return HttpResponse("Hello Bangladesh, from Django Project !!!")

**#### Hello-Template project #####**

**+ at main\_application->urls.py**

**from** django.urls **import** path  
**from** . **import** views  
  
urlpatterns = [  
 path(**''**, views.homeView.as\_view(), name=**'home'**),  
 path(**'about/'**, views.aboutView.as\_view(), name=**'about'**)  
]

**+ at main\_application->views.py**

**from** django.views.generic **import** TemplateView  
  
**class** homeView(TemplateView):  
 template\_name = **"index.html"  
  
 def** get\_context\_data(self, \*\*kwargs):  
 context = super().get\_context\_data(\*\*kwargs)  
  
 context[**'name'**] = **'UCB Fintech Company Limited'** context[**'country'**] = **'Bangladesh'** lists = [1, 2, 3, 4, 5]  
 context[**'list'**] = lists  
  
 **return** context  
  
  
**class** aboutView(TemplateView):  
 template\_name = **"about.html"**

**+ templates->base.html**

<!DOCTYPE **html**>  
<**head**>  
 <**title**> About me</**title**>  
</**head**>  
  
<**body**>  
<**nav**>  
 <**a href="/"**>Home</**a**> |  
 <**a href="{% url 'about' %}"**>About</**a**> |  
 <**a href="{% url 'about' %}"**>Contact Us</**a**> |  
</**nav**>  
  
{% block body %}  
{% endblock %}  
  
</**body**>  
<**html**>

**+ templates->index.html**

{% extends 'base.html' %}  
{% block body %}  
  
<**h1**> My Simple HTML Webpage </**h1**>  
  
<**p**>{{ name|lower }}</**p**>  
<**p**>{{ country|upper }}</**p**>  
  
<**p**>  
 {% for number in list %}  
 {% if number <= 3 %}  
 <**h**{{ number }}> Life is awesome !!! </**h**{{ number }}>  
  
 {% else %}  
 <**h**{{ number }}> Life is difficult !!! </**h**{{ number }}>  
 {% endif %}  
 {% endfor %}  
</**p**>  
  
{% endblock %}

**+ templates->about.html**

{% extends 'base.html' %}  
{% block body %}  
<**h1**> About me </**h1**>  
{% endblock %}

**+ main\_application->test**  
  
**from** django.test **import** SimpleTestCase  
  
**class** MainApplicationTest(SimpleTestCase):  
 **def** test\_home\_view\_exist(self):  
 reponse\_code = self.client.get(**'/'**)  
 self.assertEqual(response.status\_code, 200)  
  
**class** MainApplicationTest(SimpleTestCase):  
 **def** test\_about\_view\_exist(self):  
 reponse\_code = self.client.get(**'/about/'**)  
 self.assertEqual(response.status\_code, 200)

**Model**