

Django Internship Report

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Company Details

Company Name : Akash Technolabs
External Guide : Akash Padhiyar
Training Duration : 26-05-2021 to 12-06-2021

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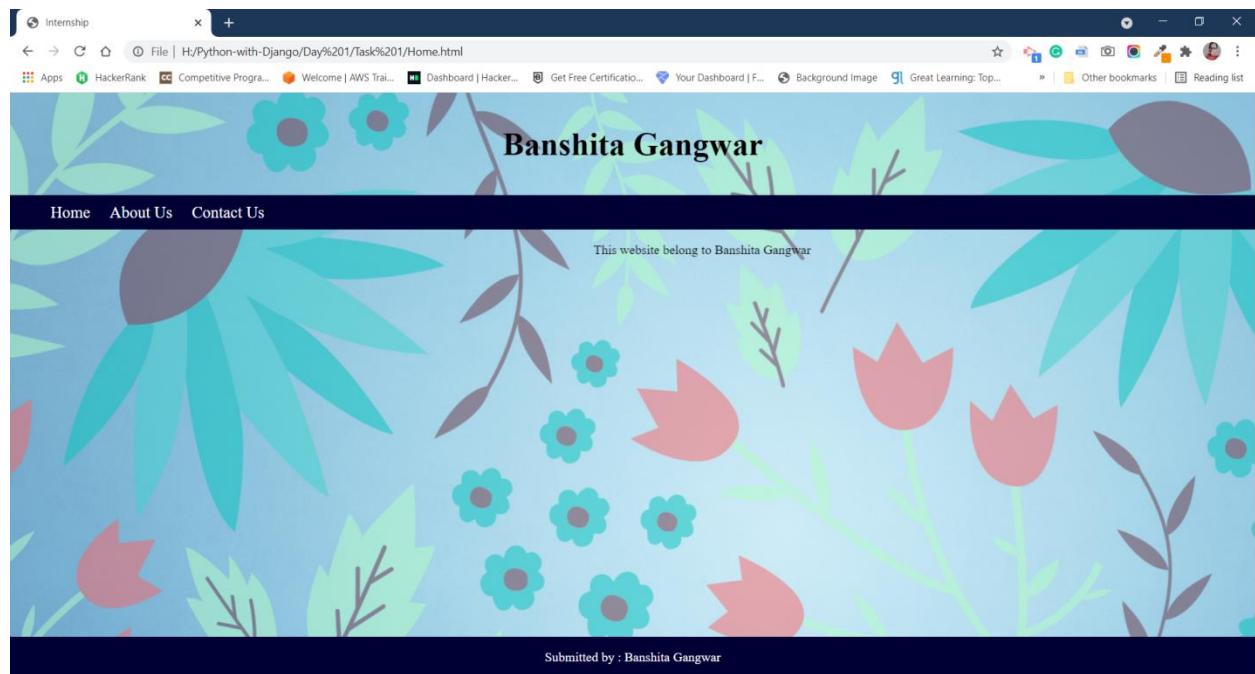
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DAY 1:

GitHub Link: <https://github.com/banshita209/Python-with-Django/tree/master/Day%201>

The screenshot shows a contact form on a website with a floral background. The title 'Banshita Gangwar' is at the top. A navigation bar below it includes 'Home', 'About Us', and 'Contact Us'. The main content area contains a form with fields for Email, Name, Phone no., and Message, along with 'Reset' and 'Submit' buttons. At the bottom, it says 'Submitted by : Banshita Gangwar'.

The screenshot shows an 'about' page on the same website. The title 'Banshita Gangwar' is at the top. A navigation bar below it includes 'Home', 'About Us', and 'Contact Us'. The main content area contains a paragraph of text: 'Hello there!!! I am Banshita Gangwar, a final year student from Aditya Silver Oak Institute of Technology. I am quite passionate about my work. I like to give 100% in my each and every work. I am eager to learn new things as I know how important the knowledge is, so I always try my best.' At the bottom, it says 'Submitted by : Banshita Gangwar'.



DAY 2:

GitHub Link: <https://github.com/banshita209/Python-with-Django/tree/master/Day%202>

Comment in python can be done using:

```
• #
• #  
In [ ]: #hello  
print(hello)
```

variables in python:

- no need to declare variable name
- 'or' both can be used for strings
- we can change value of variable after assigning it

```
In [3]: name="banshita"  
print(type(name))  
name="gangwar"  
print(type(name))  
name=123  
print(type(name))  
<class 'str'>  
banshita  
gangwar  
<class 'int'>  
  
In [7]: #assigning value to multiple variable in single line  
a,b,c=30,30,30  
print(a)  
print(b)  
print(c)  
30  
30  
30
```

Number datatype:

- 1. int
- 2. float
- 3. complex number

type(): to check datatype of variable:

instance() - is used to check if the given variable is the instance of given type.

```
In [9]: n=10  
print(type(n))  
n2=10.5  
print(type(n2))  
print(isinstance(n2 ,int))  
class 'int'  
<class 'float'>  
whether n2 is a int or not False  
  
In [10]: n==10  
print(type(n))  
<class 'complex'>
```

string

- slicing
- List Item

```
In [15]: n="banshita"  
print(n)  
print(n[0])  
print(n[0:2])  
print(n[2:4])  
print(n[:5])  
print(n[5:])  
print(name[2])  
  
banshita  
-slicing--  
nh  
nshita  
nsh  
246
```

list

- can add multiple data type value
- [] is used

```
In [19]: l=[1,2,"banshita"]  
print(l)  
print(type(l))  
#slicing in list  
print(l[1])  
print(l[1:3])  
  
[1, 2, 'banshita']  
<class 'list'>  
[2, 'banshita']  
[1, 2, 'banshita']
```

tuple

- immutable
- () is use

```
In [25]: t=(1,2,3,"banshita")  
print(t)  
print(type(t))  
print([t])  
print((t))  
print(t[2])  
print(t[1:3])  
print(t[1:3])  
  
#this statement generates error  
#t[2]=99  
  
(1, 2, 3, 'banshita')  
<class 'tuple'>  
3  
(1, 2, 3)  
(3, 'banshita')  
(2, 3)
```

Dictionary

- store value in key value pair

```
In [28]: d={1:"banshita", 2:"gangwar", "clig":'ASOIT'}  
print(d)  
print(type(d))  
print("name:",d[1])  
  
(1: 'banshita', 2: 'gangwar', 'clig': 'ASOIT')  
<class 'dict'>  
name: banhita
```

DAY 3:

GitHub Link: <https://github.com/banshita209/Python-with-Django/tree/master/Day%203>

```
Input from user
In [1]: n=input("Enter something")
print(n)
enter somethingbanshita
In [2]: n=5
n+input("Enter num")
print(n)
print(n+int(input("Enter num")))
print(n+int("5"))
enter num1
enter num2
5
5

Input method return value in string so we need to type cast the value to other data type

In [3]: a=int(input("Enter num"))
b=int(input("Enter num"))
print("a+b",a+b)
a=5
b=5
a+b 10

conditional statement
• if
• if else
• else if else if

In [5]: n1=10
if n1>10:
    print(n1," is greater")
if n1<10:
    print(n1," is greater")
else:
    print("Is greater")
10 is greater

In [14]: n1=10
if n1>10:
    print(n1," is greater")
elif n1<10:
    print(n1," is greater")
else:
    print("Both numbers are equal")
Both numbers are equal

loop
• while
• for

In [19]: i=1
while i<=10:
    print(i)
    i+=1
1
2
3
4
5
6
7
8
9
10

In [20]: for i in "Hello":
    print(i)
value: e
value: l
value: l
value: o
value: u

In [21]: l=[1,2,3,4,5]
for i in l:
    print(i)
1
2
3
4
5

for loop using range
In [22]: for i in range(10):
    print(i)
0
1
2
3
4
5
6
7
8
9

In [23]: for i in range(5,10):
    print(i)
5
6
7
8
9

In [24]: for i in range(1,10,2):
    print(i)
1
3
5
7
9

In [25]: l=[1,2,3,4,5,6,7,8,9]
for i in l:
    print(i)
1
2
3
4
5
6
7
8
9

control Statement
• break
• continue

In [26]: l=[1,2,3,4,5,6,7,8,9]
for i in range(10):
    if (i==1):
        break
    if (i==5):
        continue
    print(i)
1
2
4

pass

In [27]: l=[1]
if (l==1):
    print(l)
else:
    file "<ipython-input-29-487504880ca4>", line 5
      .
      ^
SyntaxError: unexpected EOF while parsing

In [28]: l=[1]
if (l==1):
    print(l)
else:
    pass
3
```

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DAY 4:

GitHub Link:<https://github.com/banshita209/Python-with-Django/tree/master/Day%204>

The screenshot shows the PyCharm IDE interface with the file `opertators.py` open. The code contains Python code that prints numbers and performs a modulus operation. It then checks if the number 2 is in a list and prints "Element Exist" if true. The run output shows the execution of the script and its results.

```
print(2+3)
print(2>=3)

if 4 % 2 == 0:
    print("Modulo is 0")

a = 2
b = 4
a *= b
print(a)

l = [2, 51, 68, 90]
if 2 in l:
    print("Element Exist")

print(a is b)

Run: opertators
H:\Python-Workspace\venv\Scripts\python.exe "H:/Python-with-Django/Day 4/opertators.py"
5
False
Modulo is 0
8
Element Exist
False

Process finished with exit code 0
```

The screenshot shows the PyCharm IDE interface with the file `module.py` open. The code imports a function `function_sum` from a module and uses it to calculate the sum of 3 and 4. The run output shows the execution of the script and its results.

```
import function_sum as sf

s = sf.sum(3,4)
print(s)

Run: module
H:\Python-Workspace\venv\Scripts\python.exe "H:/Python-with-Django/Day 4/module.py"
1332
8667
7

Process finished with exit code 0
```

File Edit View Navigate Code Refactor Run Tools VCS Window Help Day 4 - function_multirtn

Day 4 > function_multirtn.py

1: Project 2: Structure 3: Commit

function_multirtn.py

```
1 def getfullname():
2     fName = "Banshita"
3     lName = "Gangwar"
4     return fName, lName
5
6 fName, lName = getfullname()
7 print(fName, lName)
```

function_multirtn

Run: Python Console

```
"H:\Python-with-Django\Day 4\venv\Scripts\python.exe" "C:\Program Files\JetBrains\PyCharm 2021.1.1\bin\runnerw.py" "H:\Python-with-Django\Day 4\function_multirtn.py"
import sys; print('Python %s on %s' % (sys.version, sys.platform))
sys.path.extend(['H:\Python-with-Django\Day 4', 'H:/Python-with-Django/Day 4'])
Python Console
Banshita Gangwar
>>>
```

File Edit View Navigate Code Refactor Run Tools VCS Window Help Day 4 - function_args.py - PyCharm

Day 4 > function_args.py

1: Project 2: Structure 3: Commit

function_args.py

```
1 def funct(**args):
2     for i, j in args.items():
3         print(i,j)
4
5 funct(software="Apple", owner="SteveJobs")
```

Run: function_args

Run: Python Console

```
"H:\Python-with-Django\Day 4\venv\Scripts\python.exe" "H:/Python-with-Django/Day 4/function_args.py"
software Apple
owner SteveJobs
Process finished with exit code 0
```

The screenshot shows the PyCharm IDE interface. The top menu bar includes File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, Help, and Day. The title bar says "Day 4 > function_argpass.py". The left sidebar has sections for Project, Structure, and Commit, with "2: Structure" currently selected. The main editor window contains the following Python code:

```
1 def prod(name,brand):
2     print(name," is a product of ",brand)
3
4 prod(brand="Sunfeast",name="Dark Fantasy")
5 prod("cadbury","Oreo")
6
```

The run output window at the bottom shows the execution results:

```
H:\Python-with-Django\Day 4\venv\Scripts\python.exe "H:/Python-with-Django/Day 4/function_argpass.py"
Dark Fantasy  is a product of  Sunfeast
cadbury  is a product of  Oreo
Process finished with exit code 0
```

The screenshot shows the PyCharm IDE interface. The top menu bar includes File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, Help, and Day 4 - scope.py - PyCharm. The title bar says "Day 4 > scope.py". The left sidebar has sections for Project, Structure, and Commit, with "2: Structure" currently selected. The main editor window contains the following Python code:

```
1 def fun():
2     x = 27
3     print("x inside func",x)
4
5 fun()
6 x = 2
7 print("x is outside func",x)
```

The run output window at the bottom shows the execution results:

```
H:\Python-Workspace\venv\Scripts\python.exe "H:/Python-with-Django/Day 4/scoped.py"
x inside func 27
x is outside func 2
Process finished with exit code 0
```

File Edit View Navigate Code Refactor Run Tools VCS Window Help Day 4 - function.py - PyCharm

Day 4 > function.py

No Python interpreter configured for the project

```
1 def printName():
2     name="Banshita"
3     print(name)
4
5     printName()
6
```

Run: function

H:\Python-Workspace\venv\Scripts\python.exe "H:/Python-with-Django/Day 4/function.py"
Banshita
Process finished with exit code 0

File Edit View Navigate Code Refactor Run Tools VCS Window Help Day 4 - opertators.py - PyCharm

Day 4 > opertators.py

No Python interpreter configured for the project

```
1 print(2+3)
2 print(2>=3)
3
4 if 4 % 2 == 0:
5     print("Modulo is 0")
6
if 4 % 2 == 0
```

Run: opertators

H:\Python-Workspace\venv\Scripts\python.exe "H:/Python-with-Django/Day 4/opertators.py"
5
False
Modulo is 0
8
Element Exist
False
Process finished with exit code 0

File Edit View Navigate Code Refactor Run Tools VCS Window Help Day 4 - module.py - PyCharm

Day 4 > module.py

1: Project 2: Structure Commit

module.py

No Python interpreter configured for the project

```
1 import function_sum as sf
2
3 s = sf.sum(3,4)
4 print(s)
5
```

Run: module

Process finished with exit code 0

File Edit View Navigate Code Refactor Run Tools VCS Window Help Day 4 - scope.py - PyCharm

Day 4 > scope.py

1: Project 2: Structure Commit

scope.py

No Python interpreter configured for the project

```
4
5     fun()
6     x = 2
7     print("x is outside func",x)
8
```

Run: scope

Process finished with exit code 0

DAY 5:

GitHub Link: <https://github.com/banshita209/Python-with-Django/tree/master/Day%205>

The screenshot shows the PyCharm IDE interface with the following details:

- File Menu:** File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, Help.
- Project Bar:** Day 5 > multiple_inherit.py
- Code Editor:** The code defines three classes: Parent1, Parent2, and Child. Parent1 and Parent2 have __init__ and introParent methods. Child inherits from both and overrides __init__. The introParent method in Child calls both Parent1's and Parent2's introParent methods.

```
1 class Parent1:
2     def __init__(self):
3         print("In Parent1 Class")
4     def introParent1(self):
5         print("Welcome to Parent1 method")
6 class Parent2:
7     def __init__(self):
8         print("In Parent2 Class")
9     def introParent2(self):
10        print("Welcome to Parent2 method")
11 class Child(Parent1, Parent2):
12     def __init__(self):
13         print("In Child's son Class")
14 ob = Child()
15 ob.introParent1()
16 ob.introParent2()
```

- Run Tab:** Shows the command H:\Python-Workshop\venv\Scripts\python.exe "H:/Python-with-Django/Day 5/multiple_inherit.py". The output shows the expected results: In Child's son Class, Welcome to Parent1 method, Welcome to Parent2 method, and Process finished with exit code 0.

The screenshot shows the PyCharm IDE interface with the following details:

- File Menu:** File, Edit, View, Navigate, Code, Refactor, Run, Tools, VCS, Window, Help.
- Project Bar:** Day 5 > multilevel_inherit.py
- Code Editor:** The code defines four classes: Parent, Child, ChildSon, and ChildSon. Parent has __init__ and introParent methods. Child inherits from Parent and overrides __init__. ChildSon inherits from Child and overrides __init__. ChildSon's __init__ calls Parent's __init__ and Child's __init__. ChildSon also has its own introChild method.

```
1 class Parent:
2     def __init__(self):
3         print("In Parent Class")
4     def introParent(self):
5         print("Welcome to Parent method")
6 class Child(Parent):
7     def __init__(self):
8         print("In Child Class")
9     def introChild(self):
10        print("Welcome to Parent method")
11 class ChildSon(Child):
12     def __init__(self):
13         print("In Child's son Class")
14 obj = ChildSon()
15 obj.introChild()
16 obj.introParent()
```

- Run Tab:** Shows the command H:\Python-Workshop\venv\Scripts\python.exe "H:/Python-with-Django/Day 5/multilevel_inherit.py". The output shows the expected results: In Child's son Class, Welcome to Parent method, Welcome to Parent method, and Process finished with exit code 0.

File Edit View Navigate Code Refactor Run Tools VCS Window Help Day 5 - hierarchical_inherit.py - PyCharm

Day 5 > hierarchical_inherit.py

Project 1: Project 2: Structure Commit 2: Favorites

```
1  class Parent:
2      def __init__(self):
3          print("In Parent Class")
4      def introParent(self):
5          print("Welcome to Parent method")
6  class Child1(Parent):
7      def __init__(self):
8          print("In Child1 Class")
9      def introChild1(self):
10         print("Welcome to Child1 method")
11  class Child2(Parent):
12      def __init__(self):
13          print("In Child2 Class")
14      def introChild2(self):
15          print("Welcome to Child2 method")
16  ob = Child1()
17  ob.introParent()
18  ob1 = Child2()
19  ob1.introParent()
```

Parent > introParent()

Run: hierarchical_inherit <

Process finished with exit code 0

File Edit View Navigate Code Refactor Run Tools VCS Window Help Day 5 - constructor.py - PyCharm

Day 5 > constructor.py

Project 1: Project 2: Structure Commit 2: Favorites

```
1  class MyClass:
2      def __init__(self, name):
3          print("We are going to make history.")
4          print(name)
5
6  o = MyClass("Banshita")
```

Run: constructor <

Process finished with exit code 0

The screenshot shows the PyCharm IDE interface. The title bar says "Day 5 - clas_test.py - PyCharm". The left sidebar has tabs for "Project", "Structure", and "Commit". The main editor window displays the following Python code:

```
1 class Demo:
2     def fun(self,n1,n2):
3         sum = n1 + n2
4         print("Sum is:",sum)
5
6 ob = Demo()
7 ob.fun(24,3)
```

The code is highlighted in yellow from line 8 to the end. Below the editor is a "Run" tool window with the following details:

Run: clas_test

| | |
|---|--|
| ▶ | H:\Python-Workspace\venv\Scripts\python.exe "H:/Python-with-Django/Day 5/clas_test.py" |
| ↑ | Sum is: 27 |
| ↓ | Process finished with exit code 0 |
| ⋮ | |
| ⋮ | |

The screenshot shows the PyCharm IDE interface. The title bar says "Day 5 - assign_val.py - PyCharm". The left sidebar has tabs for "Project", "Structure", and "Commit". The main editor window displays the following Python code:

```
1 class Demo:
2     name = ""
3
4     def __init__(self, name):
5         self.name = name
6
7     def fun(self):
8         print("My name is "+self.name)
9
10 af = Demo("Banshita")
11 af.fun()
```

The code is highlighted in yellow from line 9 to the end. Below the editor is a "Run" tool window with the following details:

Run: assign_val

| | |
|---|---|
| ▶ | H:\Python-Workspace\venv\Scripts\python.exe "H:/Python-with-Django/Day 5/assign_val.py" |
| ↑ | My name is Banshita |
| ↓ | Process finished with exit code 0 |
| ⋮ | |
| ⋮ | |

File Edit View Navigate Code Refactor Run Tools VCS Window Help Day 5 - simple_inherit.py - PyCharm

Day 5 > simple_inherit.py

1: Project 2: Structure Commit

No Python interpreter configured for the project

```
1 class Parent:
2     def __init__(self):
3         print("In Parent Class")
4
5     def intro(self):
6         print("Welcome to Parent method")
7
8 class Child(Parent):
9     def __init__(self):
10        print("In Child Class")
11
12 obj = Child()
13 obj.intro()
14
```

Run: simple_inherit

Process finished with exit code 0

File Edit View Navigate Code Refactor Run Tools VCS Window Help Day 5 - override_polymorph.py - PyCharm

Day 5 > override_polymorph.py

1: Project 2: Structure Commit

No Python interpreter configured for the project

```
1 class Car:
2     def brand(self):
3         print("This is car")
4
5 class Chevy(Car):
6     #override
7     def brand(self):
8         print("This is Chevrolet Camaro")
9
10 obj = Chevy()
11 obj.brand()
12
```

Run: override_polymorph

Process finished with exit code 0

The screenshot shows the PyCharm IDE interface with the following details:

- File Bar:** File Edit View Navigate Code Refactor Run Tools VCS Window Help Day 5 - over_polymorph.py - PyCharm
- Title Bar:** Day 5 > over_polymorph.py
- Project View:** Shows a single file "over_polymorph.py" with the message "No Python interpreter configured for the project".
- Code Editor:** Displays the following Python code:

```
1 class MyClass:
2     def sum(self, n1, n2):
3         print(n1+n2)
4
5     def sum(self, n1, n2, n3):
6         print(n1+n2+n3)
7
8     ob = MyClass()
9     # ob.sum(2,3)
10
11 ob.sum(2,3,5)
12
```
- Run Tab:** Shows the run configuration "over_polymorph" with the command "H:\Python-Workspace\venv\Scripts\python.exe "H:/Python-with-Django/Day 5/over_polymorph.py"" and the output "Process finished with exit code 0".

DAY 6:

GitHub Link: <https://github.com/banshita209/Python-with-Django/tree/master/Day%206>

```
C:\> C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19042.985]
(c) Microsoft Corporation. All rights reserved.

C:\>C:\Users\BANSHTA>django-admin --version
3.2.3.2.3

C:\>C:\Users\BANSHTA>
```

```
C:\> C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19042.985]
(c) Microsoft Corporation. All rights reserved.

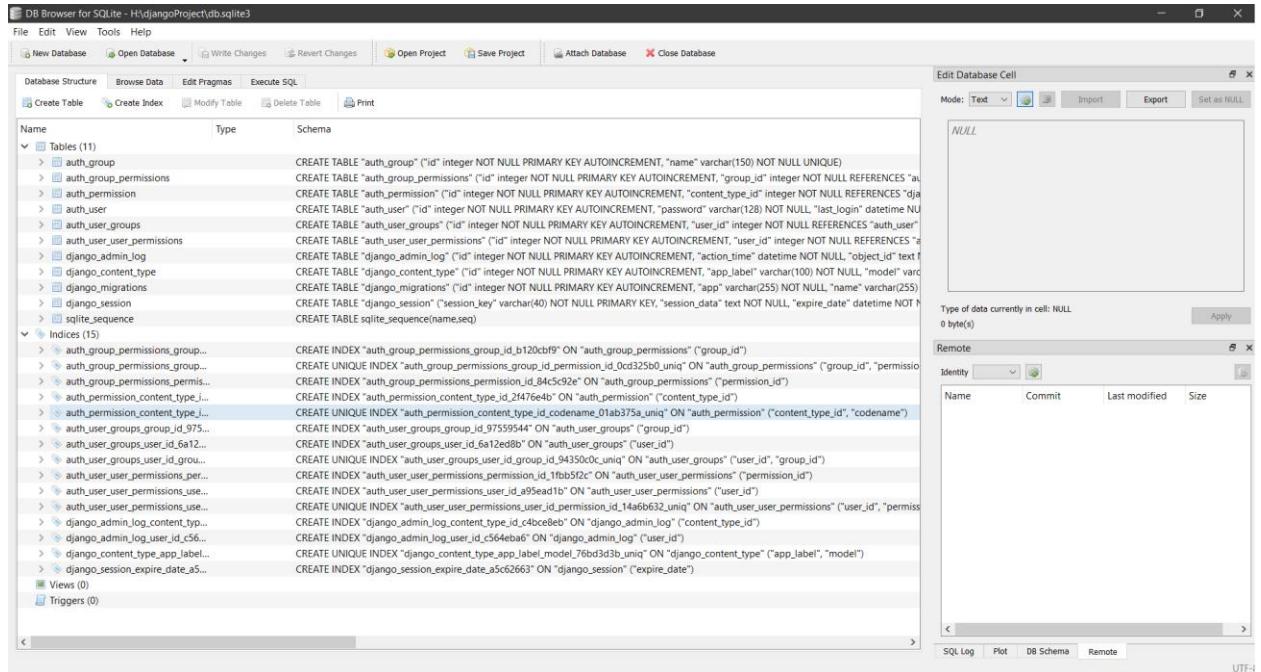
H:\>django-admin startproject djangoProject
H:\>cd djangoProject
H:\djangoProject>
```

```
C:\Windows\System32\cmd.exe
You have 18 unapplied migration(s). Your project may not work properly until you apply the migrations for app(s): admin, auth, contenttypes, sessions.
Run 'python manage.py migrate' to apply them.
June 10, 2021 - 19:56:08
Django version 3.2.3, using settings 'djangoProject.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
[10/Jun/2021 19:57:26] "GET / HTTP/1.1" 200 10697
[10/Jun/2021 19:57:26] "GET /static/admin/css/fonts.css HTTP/1.1" 200 423
[10/Jun/2021 19:57:27] "GET /static/admin/fonts/Roboto-Light-webfont.woff HTTP/1.1" 200 85693
[10/Jun/2021 19:57:27] "GET /static/admin/fonts/Roboto-Bold-webfont.woff HTTP/1.1" 200 86184
[10/Jun/2021 19:57:27] "GET /static/admin/fonts/Roboto-Regular-webfont.woff HTTP/1.1" 200 85876
Not Found: /favicon.ico
[10/Jun/2021 19:57:28] "GET /Favicon.ico HTTP/1.1" 404 2117

H:\djangoProject>python manage.py migrate
Operations to perform:
  Apply all migrations: admin, auth, contenttypes, sessions
Running migrations:
  Applying contenttypes.0001_initial... OK
  Applying auth.0001_initial... OK
  Applying admin.0001_initial... OK
  Applying admin.0002_logentry_remove_action_flag_choices... OK
  Applying contenttypes.0002_remove_content_type_name... OK
  Applying auth.0002_alter_permission_name_max_length... OK
  Applying auth.0003_alter_user_email_max_length... OK
  Applying auth.0004_alter_user_username_opts... OK
  Applying auth.0005_alter_user_last_login_null... OK
  Applying auth.0006_require_contenttypes_0002... OK
  Applying auth.0007_alter_validators_add_error_messages... OK
  Applying auth.0008_alter_user_username_max_length... OK
  Applying auth.0009_alter_user_last_name_max_length... OK
  Applying auth.0010_alter_group_name_max_length... OK
  Applying auth.0011_update_proxy_permissions... OK
  Applying auth.0012_alter_user_first_name_max_length... OK
  Applying sessions.0001_initial... OK

H:\djangoProject>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...
System check identified no issues (0 silenced).
June 10, 2021 - 20:09:10
Django version 3.2.3, using settings 'djangoProject.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
[10/Jun/2021 20:09:31] "GET / HTTP/1.1" 200 10697
H:\djangoProject>
```

The screenshot shows the Django administration interface for the 'authentication and authorization' section. On the left, there are two main sections: 'Groups' and 'Users'. Each section has a 'Add' button and a 'Change' button. On the right side of the page, there are two boxes: 'Recent actions' which contains the message 'None available', and 'My actions' which also contains the message 'None available'. The top navigation bar shows the URL '127.0.0.1:8000/admin/'. The browser's address bar also displays '127.0.0.1:8000/admin/'. The overall layout is clean and organized, typical of the Django admin dashboard.



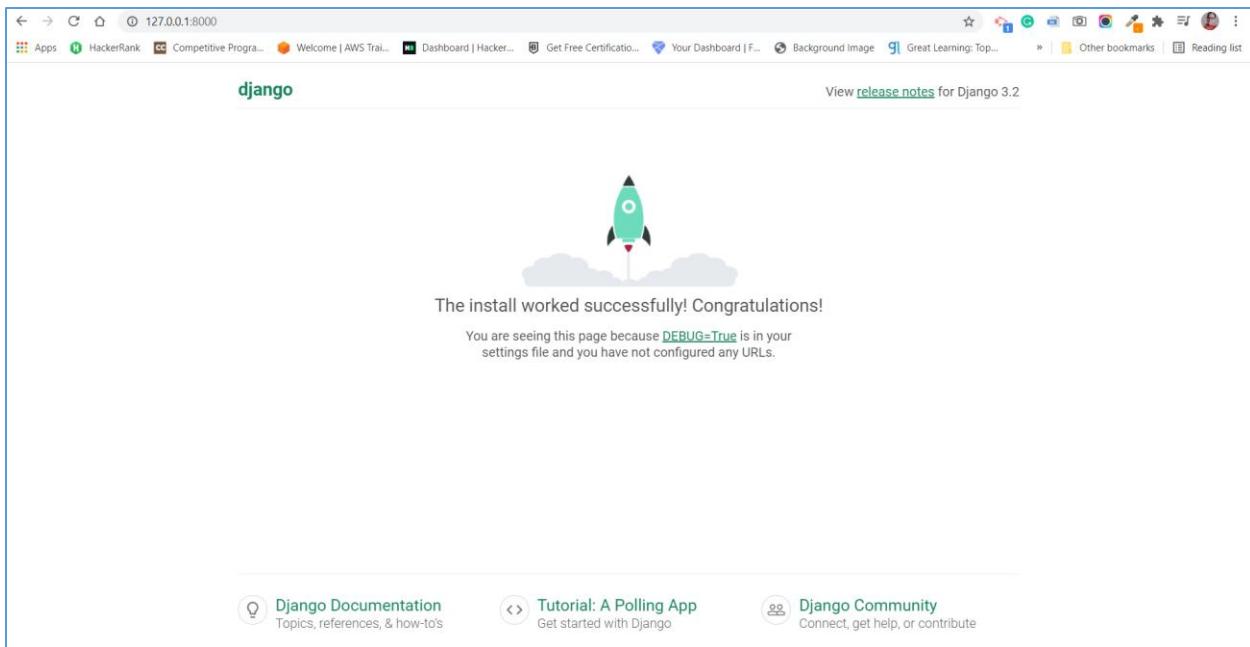
```

[1] Select C:\Windows\System32\cmd.exe - python manage.py runserver

H:\djangoProject>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

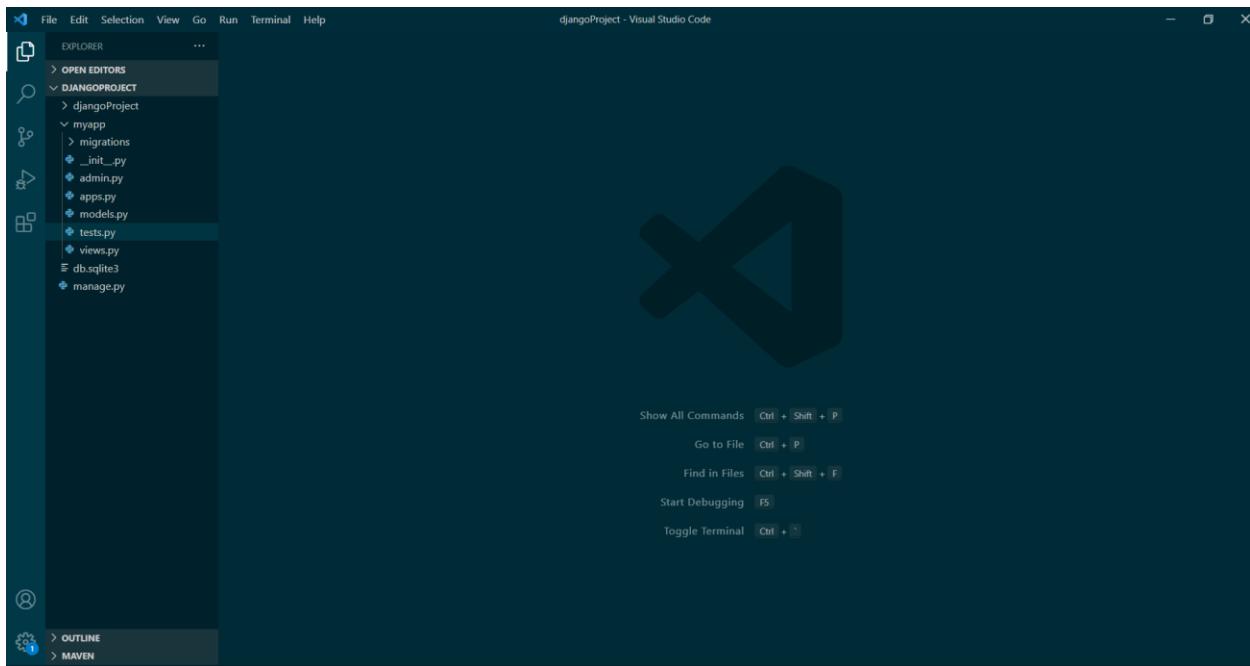
System check identified no issues (0 silenced).
June 10, 2021 - 20:09:19
Django version 3.2.3, using settings 'djangoProject.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
[10/Jun/2021 20:09:31] "GET / HTTP/1.1" 200 10697

```



DAY 7:

GitHub Link:<https://github.com/banshita209/Python-with-Django/tree/master/Day%207>



```
C:\Windows\System32\cmd.exe - py manage.py runserver

H:\djangoProject>python manage.py createsuperuser
Username (leave blank to use 'banshita'):
Email address: banshitagangwar2000@gmail.com
Password:
Password (again):
Superuser created successfully.

H:\djangoProject>py manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
June 12, 2021 - 21:47:02
Django version 3.2.3, using settings 'djangoProject.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
[12/Jun/2021 21:47:03] "GET /admin/login/?next=/admin/ HTTP/1.1" 200 2214
Not Found: /favicon.ico
[12/Jun/2021 21:47:03] "GET /favicon.ico HTTP/1.1" 404 2613
[12/Jun/2021 21:47:22] "POST /admin/login/?next=/admin/ HTTP/1.1" 302 0
[12/Jun/2021 21:47:23] "GET /admin/ HTTP/1.1" 200 3329
[12/Jun/2021 21:47:24] "GET /static/admin/css/dashboard.css HTTP/1.1" 200 380
[12/Jun/2021 21:47:24] "GET /static/admin/img/icon-changelink.svg HTTP/1.1" 200 380
[12/Jun/2021 21:47:24] "GET /static/admin/img/icon-addlink.svg HTTP/1.1" 200 331
```

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19042.985]
(c) Microsoft Corporation. All rights reserved.

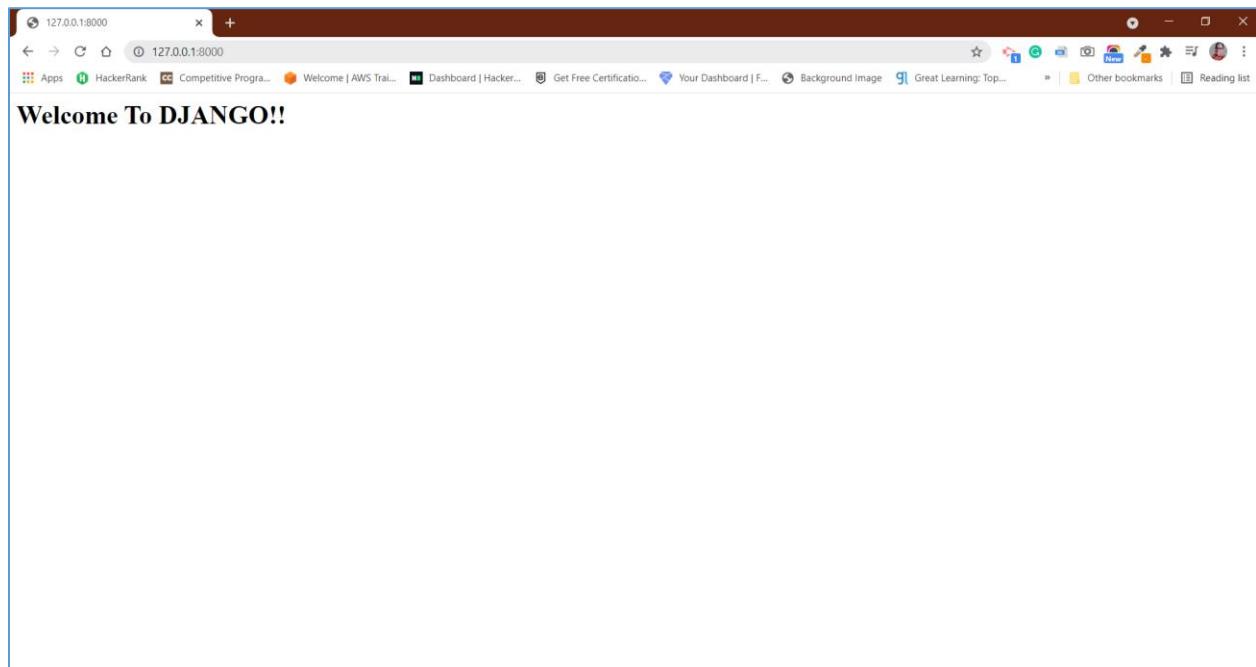
H:\djangoProject>py manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

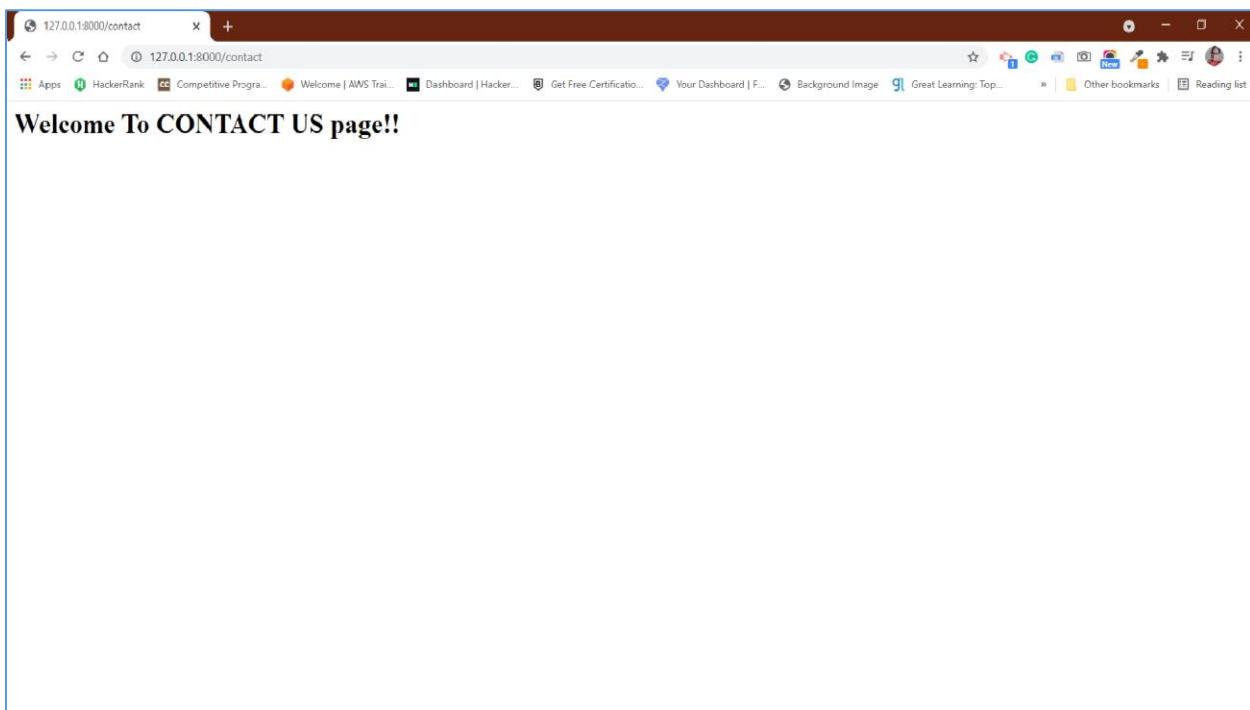
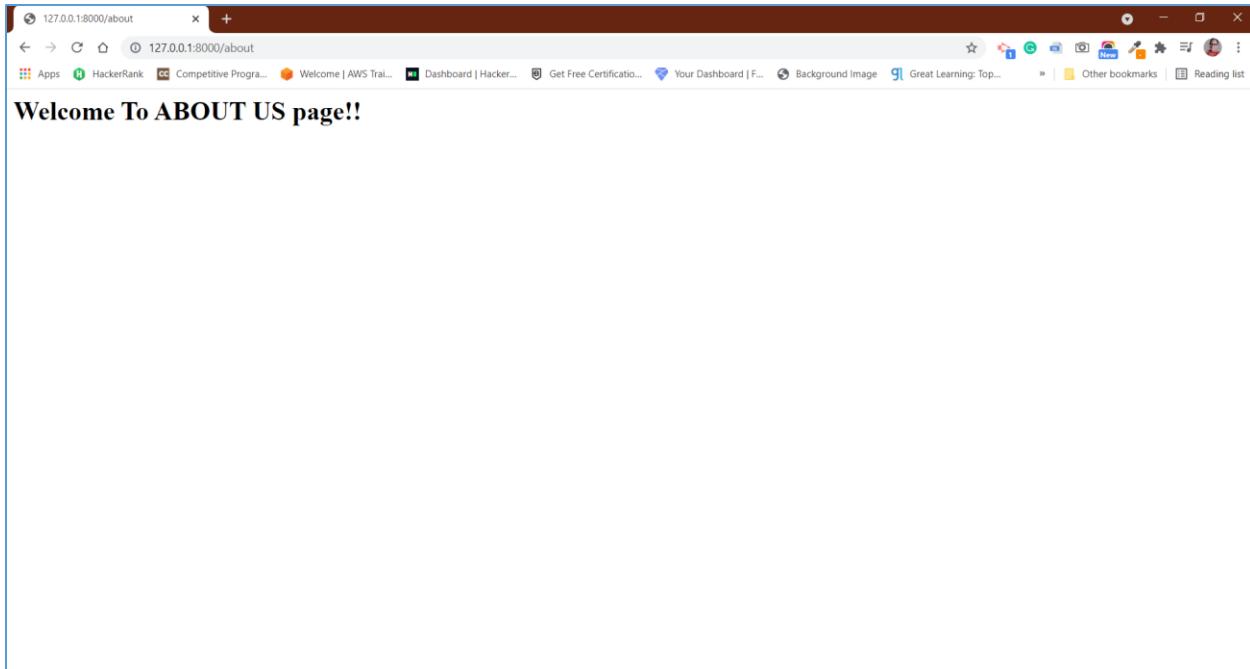
System check identified no issues (0 silenced).
June 12, 2021 - 20:10:31
Django version 3.2.3, using settings 'djangoProject.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
Not Found: /favicon.ico
[12/Jun/2021 20:21:34] "GET /favicon.ico HTTP/1.1" 404 2117
^C
H:\djangoProject>python manage.py startapp myapp

H:\djangoProject>
```

```
views.py  x
Day 7 > djangoProject > myapp > views.py
1  from django.shortcuts import render
2  from django.http import HttpResponse
3  def homepageview(request):
4      return HttpResponse("<h1>Welcome To DJANGO!!</h1>")
5
6  def aboutpageview(request):
7      return HttpResponse("<h1>Welcome To ABOUT US page!!</h1>")
8
9  def contactpageview(request):
10     return HttpResponse("<h1>Welcome To CONTACT US page!!</h1>")
11
```

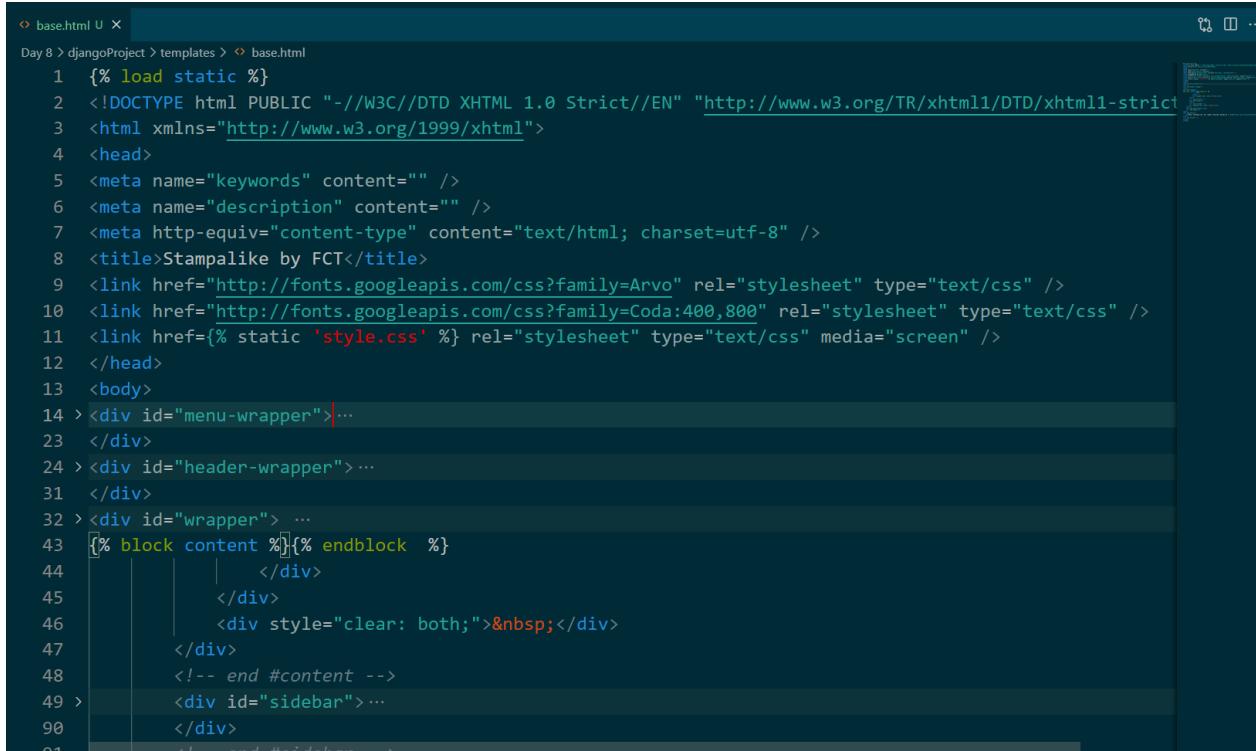
```
views.py      urls.py      X
Day 7 > djangoProject > myapp > urls.py > ...
1  from django.urls import path
2  from . import views
3
4  urlpatterns = [
5      path('',views.homepageview, name="home"),
6      path('about',views.aboutpageview, name="about"),
7      path('contact',views.contactpageview, name="contact"),
8  ]
9
```





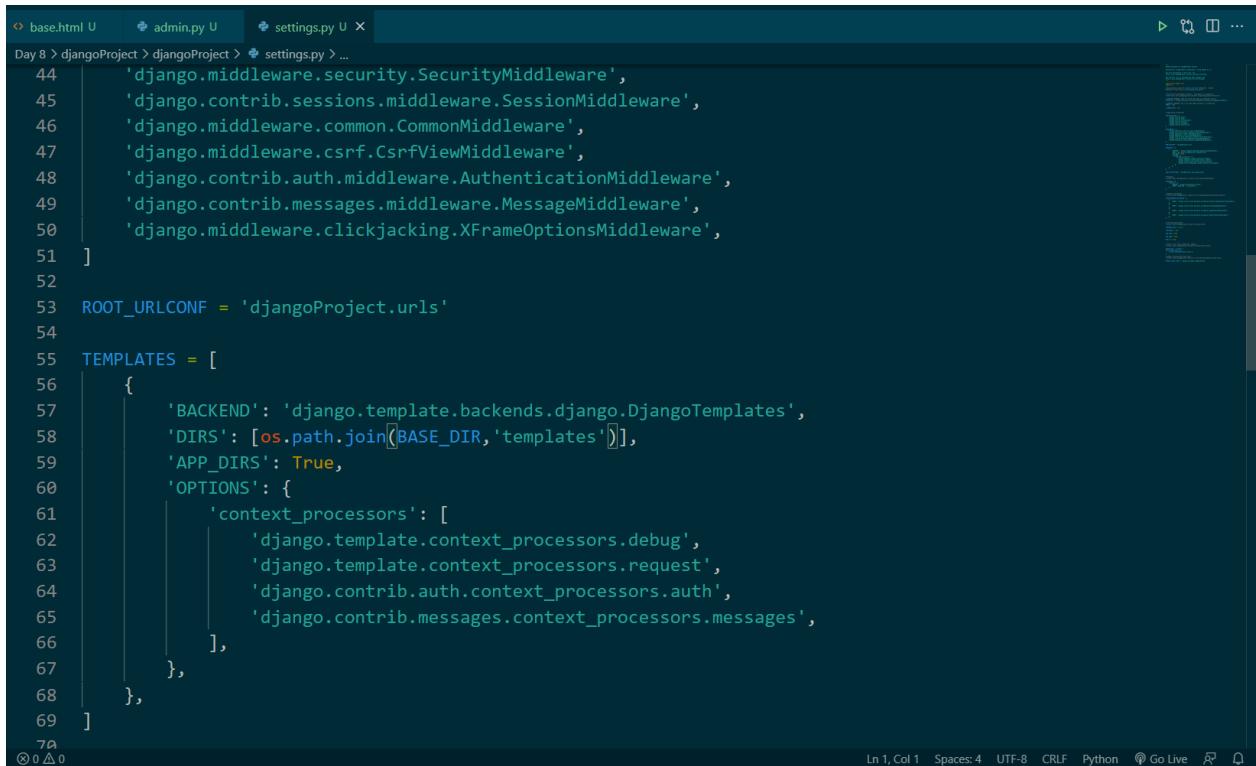
DAY 8:

GitHub Link:<https://github.com/banshita209/Python-with-Django/tree/master/Day%208>



A screenshot of a code editor showing the `base.html` template file. The code includes standard HTML headers, links to Google fonts for Arvo and Coda 400,800, and a static stylesheets link. It features a `block content` block with an `endblock` tag, and a sidebar div. The code editor has tabs for `base.html`, `admin.py`, and `settings.py`.

```
1  {% load static %}
2  <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict
3  <html xmlns="http://www.w3.org/1999/xhtml">
4  <head>
5  <meta name="keywords" content="" />
6  <meta name="description" content="" />
7  <meta http-equiv="content-type" content="text/html; charset=utf-8" />
8  <title>Stampalike by FCT</title>
9  <link href="http://fonts.googleapis.com/css?family=Arvo" rel="stylesheet" type="text/css" />
10 <link href="http://fonts.googleapis.com/css?family=Coda:400,800" rel="stylesheet" type="text/css" />
11 <link href="{% static 'style.css' %}" rel="stylesheet" type="text/css" media="screen" />
12 </head>
13 <body>
14 > <div id="menu-wrapper">...
15 </div>
16 > <div id="header-wrapper">...
17 </div>
18 > <div id="wrapper"> ...
19 > [% block content %]{% endblock %}
20 |   |   </div>
21 |   |   </div>
22 |   |   <div style="clear: both;">&nbsp;</div>
23 |   |   </div>
24 <!-- end #content -->
25 > <div id="sidebar">...
26 </div>
```



A screenshot of a code editor showing the `settings.py` file. It defines the `MIDDLEWARE` list with various Django middleware classes, sets `ROOT_URLCONF` to `'djangoProject.urls'`, and configures the `TEMPLATES` setting with a single backend using `DjangoTemplates`. The code editor has tabs for `base.html`, `admin.py`, and `settings.py`.

```
44     'django.middleware.security.SecurityMiddleware',
45     'django.contrib.sessions.middleware.SessionMiddleware',
46     'django.middleware.common.CommonMiddleware',
47     'django.middleware.csrf.CsrfViewMiddleware',
48     'django.contrib.auth.middleware.AuthenticationMiddleware',
49     'django.contrib.messages.middleware.MessageMiddleware',
50     'django.middleware.clickjacking.XFrameOptionsMiddleware',
51 ]
52
53 ROOT_URLCONF = 'djangoProject.urls'
54
55 TEMPLATES = [
56     {
57         'BACKEND': 'django.template.backends.django.DjangoTemplates',
58         'DIRS': [os.path.join(BASE_DIR, 'templates')],
59         'APP_DIRS': True,
60         'OPTIONS': {
61             'context_processors': [
62                 'django.template.context_processors.debug',
63                 'django.template.context_processors.request',
64                 'django.contrib.auth.context_processors.auth',
65                 'django.contrib.messages.context_processors.messages',
66             ],
67         },
68     },
69 ]
```

HOMEPAGE ABOUT CONTACT

django project

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TAKE SOME TIME

Get busy living or get busy dying." —
Stephen King.

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- Programming
- Hydrogen storage research
- Fears for some kids
- Mauris by copyright
- Umanet not Specials
- Microwave clinical porttitor

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- Programming
- Hydrogen storage research
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DAY 9:

GitHub Link: <https://github.com/banshita209/Python-with-Django/tree/master/Day%209>

```
↳ myform.html ×  
Day 9 > djangoProject > templates > ↳ myform.html  
1  <html>  
2  <body>  
3  <form method="post" action="/formprocess">  
4  {% csrf_token %}  
5  No1:<input type="number" name="txt1" required/>  
6  No2:<input type="number" name="txt2" required/>  
7  <input type="Submit" />  
8  </body>  
9  </html>  
10
```

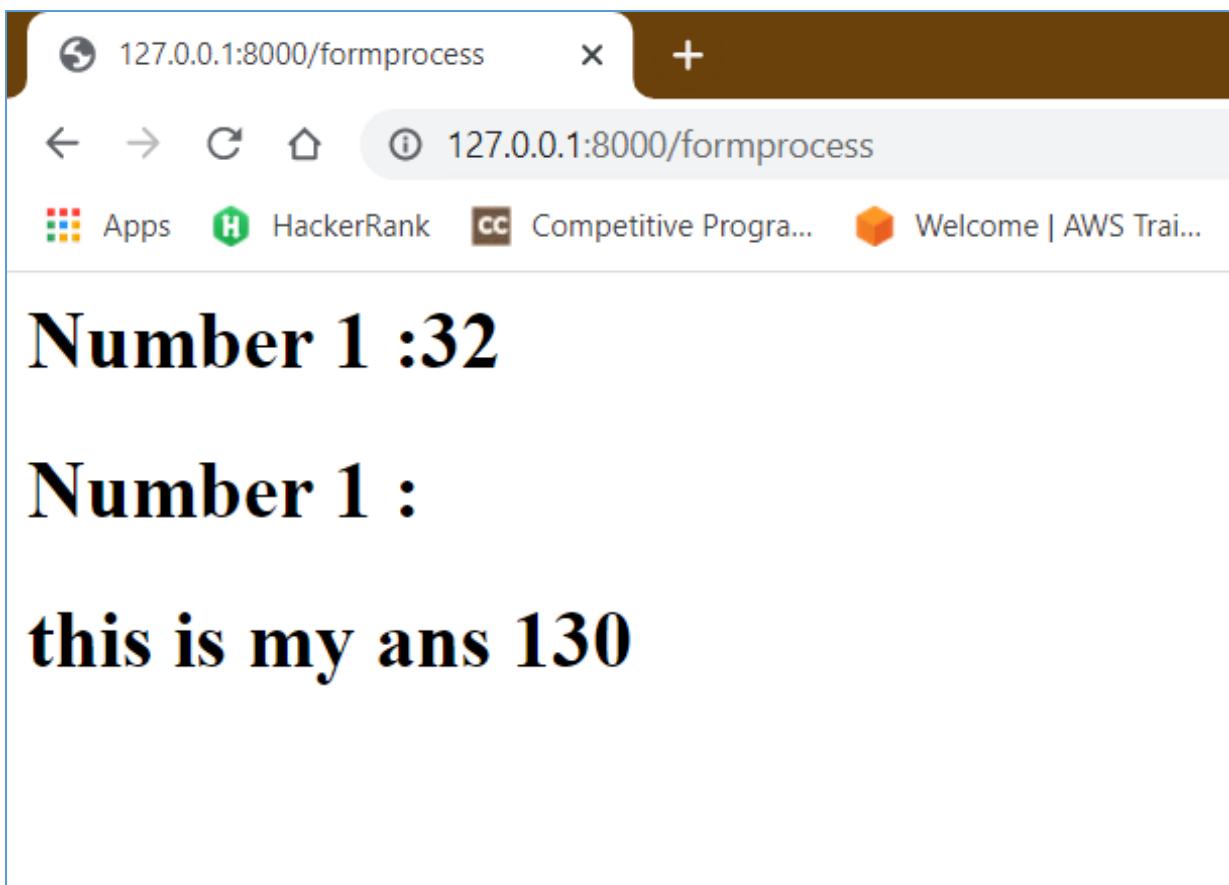
```
↳ myform.html    ↳ ans.html ×  
Day 9 > djangoProject > templates > ↳ ans.html  
1  <h1>Number 1 :{{mya}}</h1>  
2  <h1>Number 1 :{{myb}}</h1>  
3  <h1>this is my ans {{mysum}}</h1>
```

```
myform.html      ans.html      views.py  X
Day 9 > djangoProject > myapp > views.py > ...
1   from django.shortcuts import render
2   from django.http import HttpResponseRedirect
3   def homepageview(request):
4       return render(request,'home.html')
5
6   def aboutpageview(request):
7       return render(request,'about.html')
8
9   def contactpageview(request):
10      return render(request,'contact.html')
11
12  def myform(request):
13      return render(request,'myform.html')
14
15  def process(request):
16      print("Welcome")
17      print(request.method)
18      print(request.POST)
19      fname = (request.POST['fname'])
20      lname = (request.POST['lname'])
21      mail = (request.POST['email'])
22      dob = (request.POST['dob'])
23      mobile = (request.POST['mobile'])
24
25      return render(request,'ans1.html',{'fname':fname,'lname':lname,'mail':mail,'dob':dob,'mobile':mobile})
```

127.0.0.1:8000/form

No1: 32 No2: 98 Submit

```
C:\Windows\System32\cmd.exe - python manage.py runserver
System check identified no issues (0 silenced).
June 13, 2021 - 16:02:07
Django version 3.2.3, using settings 'djangoProject.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
[13/Jun/2021 16:02:07] "POST /form HTTP/1.1" 200 315
welcome
POST
<QueryDict: {'csrfmiddlewaretoken': ['zpfby2iCBYwZRwMcfgajOoeJdYAin0nMSGJNCP3gPxdoKPXC34VqmVvsr9mYQX'], 'txt1': ['23'] , 'txt2': ['23']}>
46
[13/Jun/2021 16:02:15] "POST /formprocess HTTP/1.1" 200 0
```



```
myform.html     ans.html    views.py    contact.html X
Day 9 > djangoProject > templates > contact.html
1  {% extends 'base.html' %} 
2  {% block content %} 
3  <h1>Welcome to the Contact Us.</h1><br/>
4  <h3 align="center">Register yourself with us</h3>
5  <hr>
6  <form method="POST" action="/formprocess">{% csrf_token %}
7  First Name : <input type="text" placeholder="Enter First Name" name="fname" required/><br/><br/>
8  Last Name : <input type="text" placeholder="Enter Last Name" name="lname" required/><br/><br/>
9  Email : <input type="text" placeholder="Enter Email" name="email" required/><br/><br/>
10 DoB : <input type="date" placeholder="Enter Date of Birth" name="dob" required/><br/><br/>
11 Mobile : <input type="number" placeholder="Enter mobile number" name="mobile" required/><br/><br/>
12 <input type="submit" name="submit" required />
13 </form>
14 {% endblock %}
```

```
myform.html     ans.html    views.py    contact.html    ans1.html X
Day 9 > djangoProject > templates > ans1.html
1  {% extends 'base.html' %} 
2  {% block content %} 
3  FirstName : {{fname}}
4  <br/>
5  Last name : {{lname}}
6  <br/>
7  Email : {{mail}}
8  <br/>
9  Date of Birth : {{dob}}
10 <br/>
11 Mobile Number : {{mobile}}
12 {% endblock %}
```

HOMEPAGE ABOUT CONTACT

django project

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WELCOME TO THE CONTACT US.

REGISTER YOURSELF WITH US

First Name :

Last Name :

Email :

DoB :

Mobile :

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FirstName : banshta
Last name : gangwar
Email : banshta@gmail.com
Date of Birth : 2000-09-20
Mobile Number : 9876543210

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DAY 10:

GitHub Link:<https://github.com/banshita209/Python-with-Django/tree/master/Day%2010>

```
admin.py  X
Day 10 > djangointern > mark1 > admin.py
1 from django.contrib import admin
2
3 # Register your models here.
4 from .models import Student
5 from .models import Employee
6
7 admin.site.register(Student)
8 admin.site.register([Employee])
```

```
views.py  contact.html ...\\djangoProject\\...  ans1.html  slist.html  X
Day 10 > djangointern > templates > slist.html
1 Student
2 {% for c in object_list %}
3 {{ c }}
4 {% endfor %}
```

```
❷ 0001_initial.py ×
Day 10 > djangoIntern > mark1 > migrations > ❷ 0001_initial.py > ...
1 # Generated by Django 3.2.3 on 2021-06-10 02:33
2
3 from django.db import migrations, models
4
5 class Migration(migrations.Migration):
6     initial = True
7     dependencies = [
8     ]
9     operations = [
10         migrations.CreateModel(
11             name='Student',
12             fields=[
13                 ('id', models.BigAutoField(auto_created=True, primary_key=True, serialize=False, verbose_name='ID')),
14                 ('fname', models.CharField(max_length=10)),
15                 ('lname', models.CharField(max_length=10)),
16                 ('gender', models.BooleanField(default=False)),
17                 ('fees', models.IntegerField()),
18             ],
19         ),
20     ]
21
```

```
❸ 0002_employee.py ×
Day 10 > djangoIntern > mark1 > migrations > ❸ 0002_employee.py > Migration
1 # Generated by Django 3.2.3 on 2021-06-10 11:07
2
3 from django.db import migrations, models
4 class Migration(migrations.Migration):
5     dependencies = [
6         ('mark1', '0001_initial'),
7     ]
8     operations = [
9         migrations.CreateModel(
10             name='Employee',
11             fields=[
12                 ('id', models.BigAutoField(auto_created=True, primary_key=True, serialize=False, verbose_name='ID')),
13                 ('fname', models.CharField(max_length=10)),
14                 ('lname', models.CharField(max_length=10)),
15                 ('gender', models.BooleanField(default=False)),
16                 ('fees', models.IntegerField()),
17             ],
18         ),
19     ]
20
```

```

 0002_employee.py  views.py  x
Day 10 > djangoIntern > mark1 > views.py > studentlist
20 def process(request):
21     print("Welcome")
22     print(request.method)
23     print(request.POST)
24     fname = (request.POST['fname'])
25     lname = (request.POST['lname'])
26     mail = (request.POST['email'])
27     dob = (request.POST['dob'])
28     mobile = (request.POST['mobile'])
29
30     return render(request,'ans.html',{'fname':fname,'lname':lname,'mail':mail,'dob':dob,'mobile':mobile})
31
32 class studentlist(ListView):
33     model = Student
34     template_name = 'slist.html'
35

```

Django administration

Home > Mark1 > Students

AUTHENTICATION AND AUTHORIZATION

- Groups [+ Add](#)
- Users [+ Add](#)

MARK1

- Employees [+ Add](#)
- Students [+ Add](#)

Select student to change

Action: [-----](#) [Go](#) 0 of 1 selected

| | |
|----------------------------------|----------|
| <input type="checkbox"/> STUDENT | Banshita |
|----------------------------------|----------|

1 student

Django administration

Home > Mark1 > Employees

AUTHENTICATION AND AUTHORIZATION

- Groups [+ Add](#)
- Users [+ Add](#)

MARK1

- Employees [+ Add](#)
- Students [+ Add](#)

Select employee to change

Action: [-----](#) [Go](#) 0 of 2 selected

| | |
|-----------------------------------|------|
| <input type="checkbox"/> EMPLOYEE | zxvc |
| <input type="checkbox"/> emp1 | |

2 employees

