

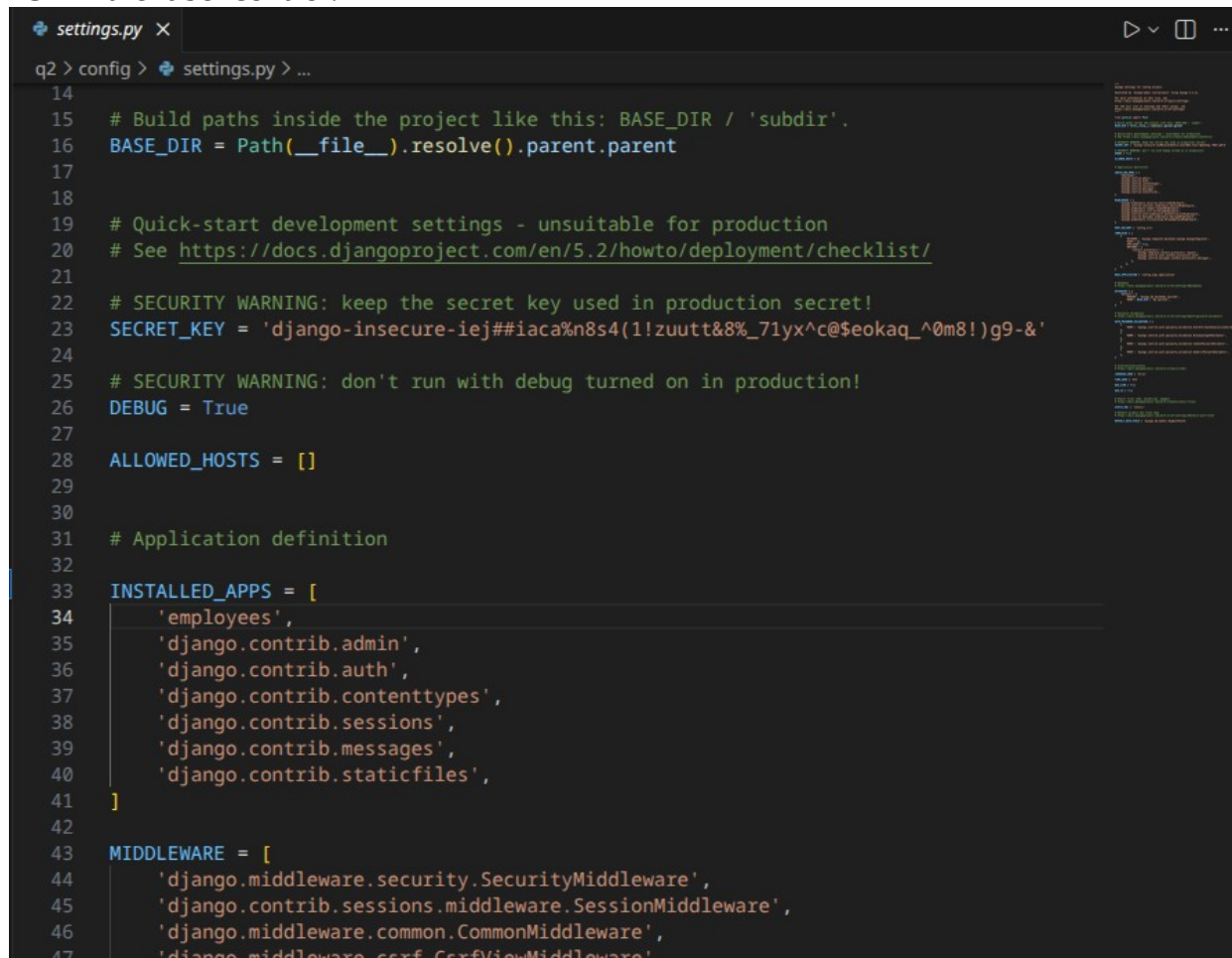
WPL LAB 5

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Q2.Create a web form with employee ids in dropdown list. Use a textbox for accepting date of joining. Add a button named “Am I Eligible for Promotion”. On clicking the button, if he has more than 5 years of experience, then display “YES” else “NO” in the label control.



```
settings.py X
q2 > config > settings.py > ...
14
15 # Build paths inside the project like this: BASE_DIR / 'subdir'.
16 BASE_DIR = Path(__file__).resolve().parent.parent
17
18
19 # Quick-start development settings - unsuitable for production
20 # See https://docs.djangoproject.com/en/5.2/howto/deployment/checklist/
21
22 # SECURITY WARNING: keep the secret key used in production secret!
23 SECRET_KEY = 'django-insecure-iej##iaca%n8s4(1!zuutt&8%_7lyx^c@$eokaq_^0m8!)g9-&'
24
25 # SECURITY WARNING: don't run with debug turned on in production!
26 DEBUG = True
27
28 ALLOWED_HOSTS = []
29
30
31 # Application definition
32
33 INSTALLED_APPS = [
34     'employees',
35     'django.contrib.admin',
36     'django.contrib.auth',
37     'django.contrib.contenttypes',
38     'django.contrib.sessions',
39     'django.contrib.messages',
40     'django.contrib.staticfiles',
41 ]
42
43 MIDDLEWARE = [
44     'django.middleware.security.SecurityMiddleware',
45     'django.contrib.sessions.middleware.SessionMiddleware',
46     'django.middleware.common.CommonMiddleware',
47     'django.middleware.csrf.CsrfViewMiddleware'
```

Urls.py

```
urls.py x
q2 > config > urls.py > ...
1 """
2 URL configuration for config project.
3
4 The 'urlpatterns' list routes URLs to views. For more information please see:
5 | https://docs.djangoproject.com/en/5.2/topics/http/urls/
6 Examples:
7 Function views
8 | 1. Add an import: from my_app import views
9 | 2. Add a URL to urlpatterns: path('', views.home, name='home')
10 Class-based views
11 | 1. Add an import: from other_app.views import Home
12 | 2. Add a URL to urlpatterns: path('', Home.as_view(), name='home')
13 Including another URLconf
14 | 1. Import the include() function: from django.urls import include, path
15 | 2. Add a URL to urlpatterns: path('blog/', include('blog.urls'))
16 """
17 from django.contrib import admin
18 from django.urls import path, include
19
20 urlpatterns = [
21     path('admin/', admin.site.urls),
22     path('employees/', include('employees.urls'))
23 ]
24
```

forms.py

```
EXPLORER ...
v WEEKS
  > demo
  > q1
  v q2
    > .venv
    > config
    v employees
      > __pycache__
      > migrations
      > templates
      + __init__.py
      + admin.py
      + apps.py
      + forms.py
      + models.py
      + tests.py
      + urls.py
      + views.py
    + .gitignore
    + db.sqlite3
    + manage.py

forms.py x
q2 > employees > forms.py > PromotionForm
1 from django import forms
2
3 class PromotionForm(forms.Form):
4     # Example Employee IDs for the dropdown
5     EMPLOYEE_CHOICES = [
6         ('E101', 'E101'),
7         ('E102', 'E102'),
8         ('E103', 'E103'),
9         ('E104', 'E104'),
10    ]
11
12    employee_id = forms.ChoiceField(choices=EMPLOYEE_CHOICES, label="Select Employee")
13    date_of_joining = forms.DateField(
14        label="Date of Joining",
15        widget=forms.DateInput(attrs={'type': 'date'})
16    )
```

check.html

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 |   <title>Promotion Check</title>
5 </head>
6 <body>
7 |   <h2>Employee Promotion Eligibility</h2>
8
9 |   <form method="post">
10 |     {% csrf_token %}
11 |     {{ form.as_p }}
12 |     <button type="submit">Am I Eligible for Promotion</button>
13 |   </form>
14
15 |   <hr>
16
17 |   {% if result %}
18 |     <div style="font-size: 20px;">
19 |       Eligible:
20 |       {% if result == 'YES' %}
21 |       <b style="color: green;">{{ result }}</b>
22 |     {% else %}
23 |     <b style="color: red;">{{ result }}</b>
24 |   {% endif %}
25
26 |   </div>
27 |   {% endif %}
28 </body>
29 </html>
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

(.venv) VI_WPL_A1@cs1-11:~/lab/college/Web Programming Lab/week5/q1\$ python manage.py runserver

Quit the server with CONTROL-C.

WARNING: This is a development server. Do not use it in a production setting. Use a production WSGI or ASGI server instead. For more information on production servers see: <https://docs.djangoproject.com/en/5.2/howto/deployment/>

Not Found: /

[04/Feb/2026 10:37:21] "GET / HTTP/1.1" 404 2309

[04/Feb/2026 10:37:30] "GET /students/ HTTP/1.1" 200 1846

[04/Feb/2026 10:41:03] "POST /students/ HTTP/1.1" 200 2101

[04/Feb/2026 10:41:12] "POST /students/ HTTP/1.1" 200 2102

[04/Feb/2026 10:41:14] "POST /students/ HTTP/1.1" 200 2102

website:

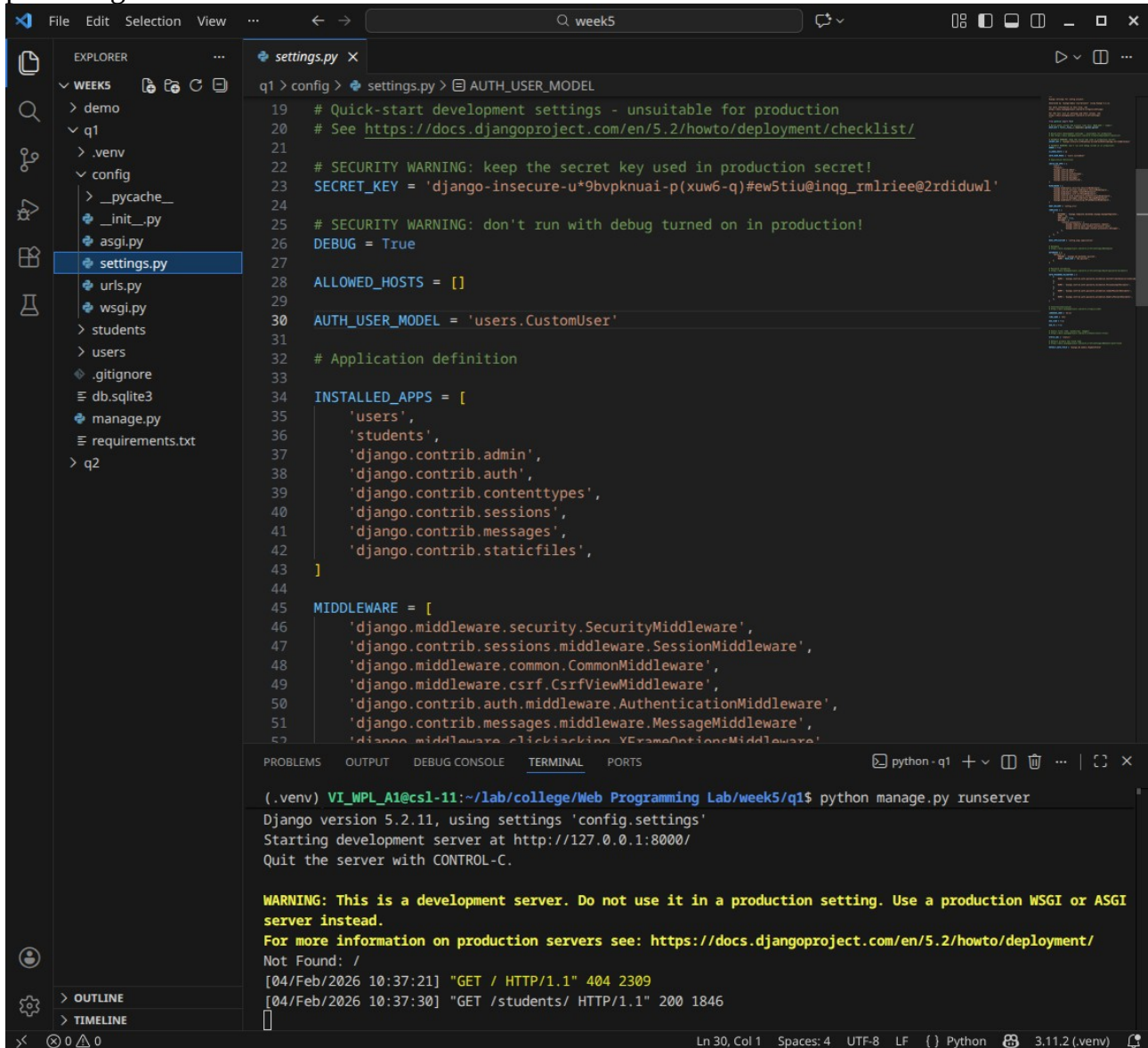
Employee Promotion Eligibility

Select Employee ID:

Date of Joining:

Eligible: **YES**

Q1. Create a web form which allows the teacher to enter the student details like name, date of birth, address, contact number, email id and marks of English, Physics and Chemistry. After filling all the information and on clicking submit button, details should be added to a textarea displayed on the same page. Display the total percentage of marks obtained in a label.



The screenshot shows a Visual Studio Code editor with a project structure on the left and a terminal window at the bottom. The project structure includes folders for WEEKS, demo, q1, .venv, config, students, users, .gitignore, db.sqlite3, manage.py, requirements.txt, and q2. The config folder contains _pycache_, _init_.py, asgi.py, settings.py, urls.py, and wsgi.py. The settings.py file is open in the editor, showing Django configuration for development. The terminal window shows the command `python manage.py runserver` being executed, and the output indicates that the development server is running at `http://127.0.0.1:8000/`. The terminal also displays a warning about using a development server in production and shows some log messages.

```
19 # Quick-start development settings - unsuitable for production
20 # See https://docs.djangoproject.com/en/5.2/howto/deployment/checklist/
21
22 # SECURITY WARNING: keep the secret key used in production secret!
23 SECRET_KEY = 'django-insecure-u*9bvpknuai-p(xuw6-q)#ew5tiu@inqq_rmlriee@2rdiduw1'
24
25 # SECURITY WARNING: don't run with debug turned on in production!
26 DEBUG = True
27
28 ALLOWED_HOSTS = []
29
30 AUTH_USER_MODEL = 'users.CustomUser'
31
32 # Application definition
33
34 INSTALLED_APPS = [
35     'users',
36     'students',
37     'django.contrib.admin',
38     'django.contrib.auth',
39     'django.contrib.contenttypes',
40     'django.contrib.sessions',
41     'django.contrib.messages',
42     'django.contrib.staticfiles',
43 ]
44
45 MIDDLEWARE = [
46     'django.middleware.security.SecurityMiddleware',
47     'django.contrib.sessions.middleware.SessionMiddleware',
48     'django.middleware.common.CommonMiddleware',
49     'django.middleware.csrf.CsrfViewMiddleware',
50     'django.contrib.auth.middleware.AuthenticationMiddleware',
51     'django.contrib.messages.middleware.MessageMiddleware',
52     'django.middleware.clickjacking.XFrameOptionsMiddleware',
53 ]
```

```
(.venv) VI_WPL_A1@csl-11:~/lab/college/Web Programming Lab/week5/q1$ python manage.py runserver
Django version 5.2.11, using settings 'config.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.

WARNING: This is a development server. Do not use it in a production setting. Use a production WSGI or ASGI
server instead.
For more information on production servers see: https://docs.djangoproject.com/en/5.2/howto/deployment/
Not Found: /
[04/Feb/2026 10:37:21] "GET / HTTP/1.1" 404 2309
[04/Feb/2026 10:37:30] "GET /students/ HTTP/1.1" 200 1846
```

forms.py:

```
File Edit Selection View Go Run ... week5
```

EXPLORER

- WEEKS
- demo
- q1
 - .venv
 - config
 - __pycache__
 - __init__.py
 - asgi.py
 - settings.py
 - urls.py
 - wsgi.py
 - students
 - __pycache__
 - migrations
 - templates
 - __init__.py
 - admin.py
 - apps.py
 - forms.py**
 - models.py
 - tests.py
 - urls.py
 - views.py
 - users
 - .gitignore
 - db.sqlite3
 - manage.py
 - requirements.txt
- q2

forms.py

```
1 from django import forms
2
3 class StudentForm(forms.Form):
4     name = forms.CharField(label="Student Name", max_length=100)
5     dob = forms.DateField(label="Date of Birth", widget=forms.DateInput(attrs={'type': 'date'}))
6     address = forms.CharField(label="Address", widget=forms.Textarea(attrs={'rows': 3}))
7     contact = forms.CharField(label="Contact Number", max_length=10)
8     email = forms.EmailField(label="Email ID")
9
10    #marks
11    english = forms.IntegerField(label="English Marks", min_value=0, max_value=100)
12    physics = forms.IntegerField(label="Physics marks", min_value=0, max_value=100)
13    chemistry = forms.IntegerField(label="Chemistry Marks", min_value=0, max_value=100)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

python - q1

```
(.venv) VI_WPL_A1@cs1-11:~/lab/college/Web Programming Lab/week5/q1$ python manage.py runserver
February 04, 2026 - 10:37:18
Django version 5.2.11, using settings 'config.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.

WARNING: This is a development server. Do not use it in a production setting. Use a production WSGI or ASGI server instead.
For more information on production servers see: https://docs.djangoproject.com/en/5.2/howto/deployment/
Not Found: /
[04/Feb/2026 10:37:21] "GET / HTTP/1.1" 404 2309
[04/Feb/2026 10:37:30] "GET /students/ HTTP/1.1" 200 1846
```

Ln 13, Col 86 Spaces: 4 UTF-8 LF {} Python 3.11.2 (venv)

urls.py


```
File Edit Selection View Go Run ... week5
```

EXPLORER

- WEEKS
 - demo
 - q1
 - .venv
 - config
 - __pycache__
 - __init__.py
 - asgi.py
 - settings.py
 - urls.py
 - wsgi.py
 - students
 - __pycache__
 - migrations
 - templates
 - __init__.py
 - admin.py
 - apps.py
 - forms.py
 - models.py
 - tests.py
 - urls.py
 - views.py
 - users
 - .gitignore
 - db.sqlite3
 - manage.py
 - requirements.txt
 - q2

urls.py

```
1 from django.urls import path
2 from .views import student_form_view
3
4 urlpatterns = [
5     path('', student_form_view, name='student_form')
6 ]
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

(.venv) VI_WPL_A1@cs1-11:~/lab/college/Web Programming Lab/week5/q1\$ python manage.py runserver

February 04, 2026 - 10:37:18
Django version 5.2.11, using settings 'config.settings'
Starting development server at http://127.0.0.1:8000/
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Not Found: /
[04/Feb/2026 10:37:21] "GET / HTTP/1.1" 404 2309
[04/Feb/2026 10:37:30] "GET /students/ HTTP/1.1" 200 1846

Ln 4, Col 11 Spaces: 4 UTF-8 LF {} Python 3.11.2 (.venv)

views.py

```
File Edit Selection View Go Run ... week5
EXPLORER
WEEKS
demo
q1
  .venv
  config
  __pycache__
  __init__.py
  asgi.py
  settings.py
  urls.py
  wsgi.py
  students
    __pycache__
    migrations
    templates
    __init__.py
    admin.py
    apps.py
    forms.py
    models.py
    tests.py
    urls.py
  views.py
  users
  .gitignore
  db.sqlite3
  manage.py
  requirements.txt
  q2

views.py
1 from django.shortcuts import render
2 from .forms import StudentForm
3
4 def student_form_view(request):
5     display_data = ""
6     percentage = 0
7     form = StudentForm()
8
9     if request.method == "POST":
10         form = StudentForm(request.POST)
11         if form.is_valid():
12             data = form.cleaned_data
13             #calculate percentage
14             total = data['english'] + data['physics'] + data['chemistry']
15             percentage = round((total/300) * 100, 2)
16
17             #format data for the TextArea
18             display_data = (
19                 f"Name: {data['name']}\n"
20                 f"DOB: {data['dob']}\n"
21                 f"Address: {data['address']}\n"
22                 f"Contact: {data['contact']}\n"
23                 f"Email: {data['email']}\n"
24                 f"Marks: Eng: {data['english']}, Phys: {data['physics']}, Chem: {data['chemistry']}\n"
25             )
26         return render(request, 'students/form.html', {
27             'form': form,
28             'display_data': display_data,
29             'percentage': percentage
30         })

TERMINAL
python - q1
(.venv) VI_WPL_A1@cs1-11:~/lab/college/Web Programming Lab/week5/q1$ python manage.py runserver
February 04, 2026 - 10:37:18
Django version 5.2.11, using settings 'config.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.

WARNING: This is a development server. Do not use it in a production setting. Use a production WSGI or ASGI server instead.
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Not Found: /
[04/Feb/2026 10:37:21] "GET / HTTP/1.1" 404 2309
[04/Feb/2026 10:37:30] "GET /students/ HTTP/1.1" 200 1846
```

form.html

```
q1 > students > templates > students > form.html > div
1  <h2>Teacher's Student Entry Portal</h2>
2
3  <div style="display: flex; gap: 50px;">
4    <form method="post" style="flex: 1;">
5      {% csrf_token %}
6      {{ form.as_p }}
7      <button type="submit">Submit Details</button>
8    </form>
9
10   <div style="flex: 1;">
11     <h3>Processed Details:</h3>
12     <textarea rows="10" cols="40" readonly>{{ display_data }}</textarea>
13
14     <br><br>
15     <label style="font-weight: bold; font-size: 1.2em;">
16       Total Percentage: {{ percentage }}%
17     </label>
18   </div>
19 </div>
```

python - q1 + v [] ... | [] X

(.venv) VI_WPL_A1@cs1-11:~/lab/college/Web Programming Lab/week5/q1\$ python manage.py runserver

February 04, 2026 - 10:37:18
Django version 5.2.11, using settings 'config.settings'
Starting development server at http://127.0.0.1:8000/
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Not Found: /
[04/Feb/2026 10:37:21] "GET / HTTP/1.1" 404 2309
[04/Feb/2026 10:37:30] "GET /students/ HTTP/1.1" 200 1846

website

Teacher's Student Entry Portal

Student Name:


Date of Birth: 

Address:

Contact Number:

Email ID:

English Marks: 

Physics marks: 

Chemistry Marks: 

Processed Details:

Name abhinav
DOB: 2000-01-01
Address: MIT Manipal
Contact: 123456789
Email: abhinav@gmail.com
Marks: Eng: 50, Phys: 50, Chem: 51

Total Percentage: 50.33%