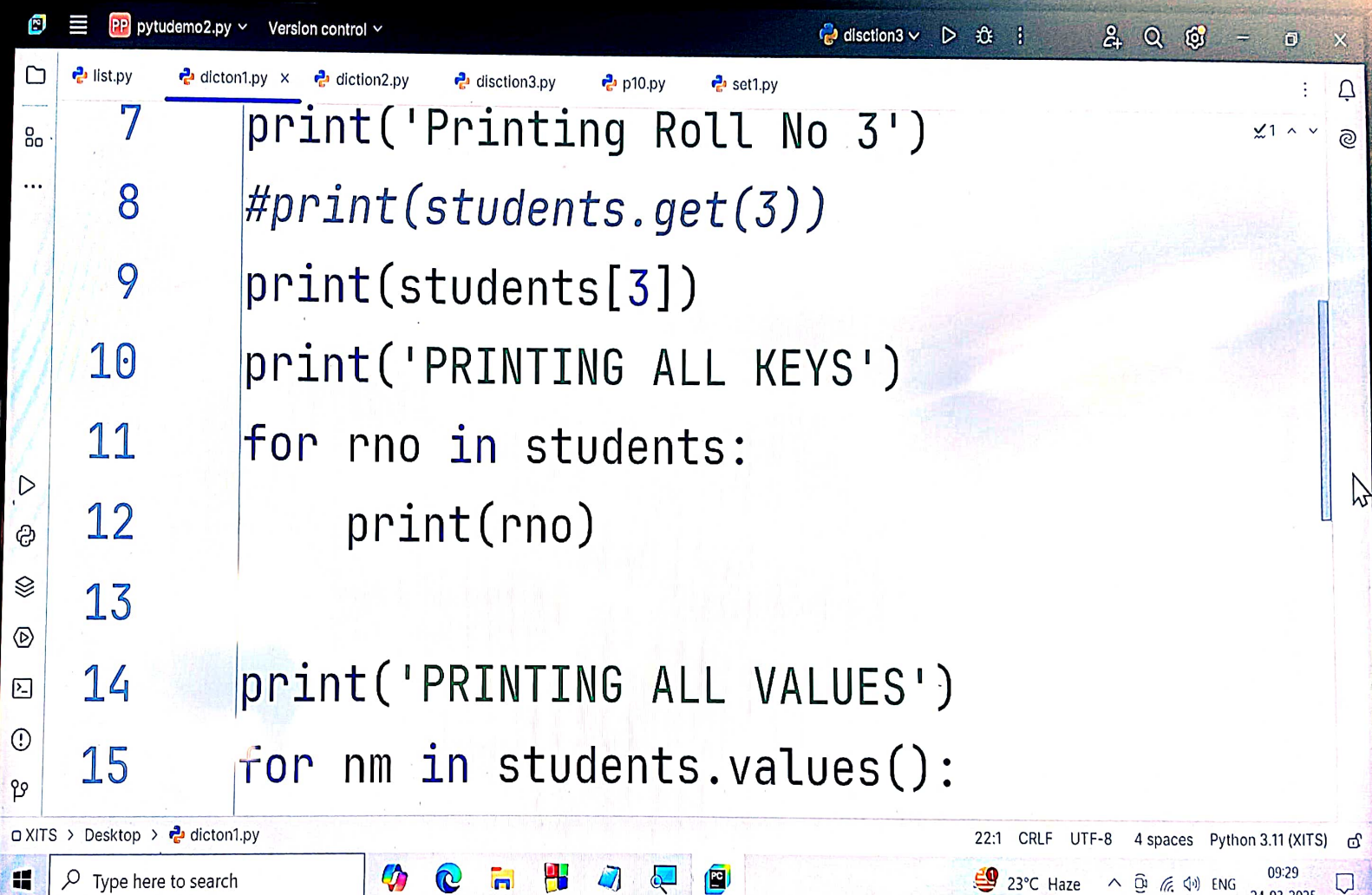


The image shows a screenshot of a Python IDE with a dark theme. The top toolbar includes icons for file operations, a search icon, and a version control icon. The file explorer on the left shows a project named 'pytutdemo2.py' with several files: 'list.py', 'dicton1.py' (selected), 'diction2.py', 'disction3.py', 'p10.py', and 'set1.py'. The main editor displays a Python script with 9 lines of code. The code defines a dictionary 'students' with keys 1, 2, and 3, and values 'Amit', 'Sumit', and 'Ravi'. It then prints the dictionary, adds a new entry with key 4 and value 'Manish', prints it again, updates the value for key 1 to 'Rahul', prints it, and finally prints the value for key 3. The status bar at the bottom shows the file path 'XITS > Desktop > dicton1.py', the current line and column '22:1', the encoding 'CRLF', the file encoding 'UTF-8', the indentation '4 spaces', the Python version 'Python 3.11 (XITS)', and the system status '23°C Haze'.

```
1 students={1:"Amit",2:"Sumit",3:"Ravi"}
2 print(students)
3 students[4]="Manish"
4 print(students)
5 students[1]="Rahul"
6 print(students)
7 print('Printing Roll No 3')
8 #print(students.get(3))
9 print(students[3])
```

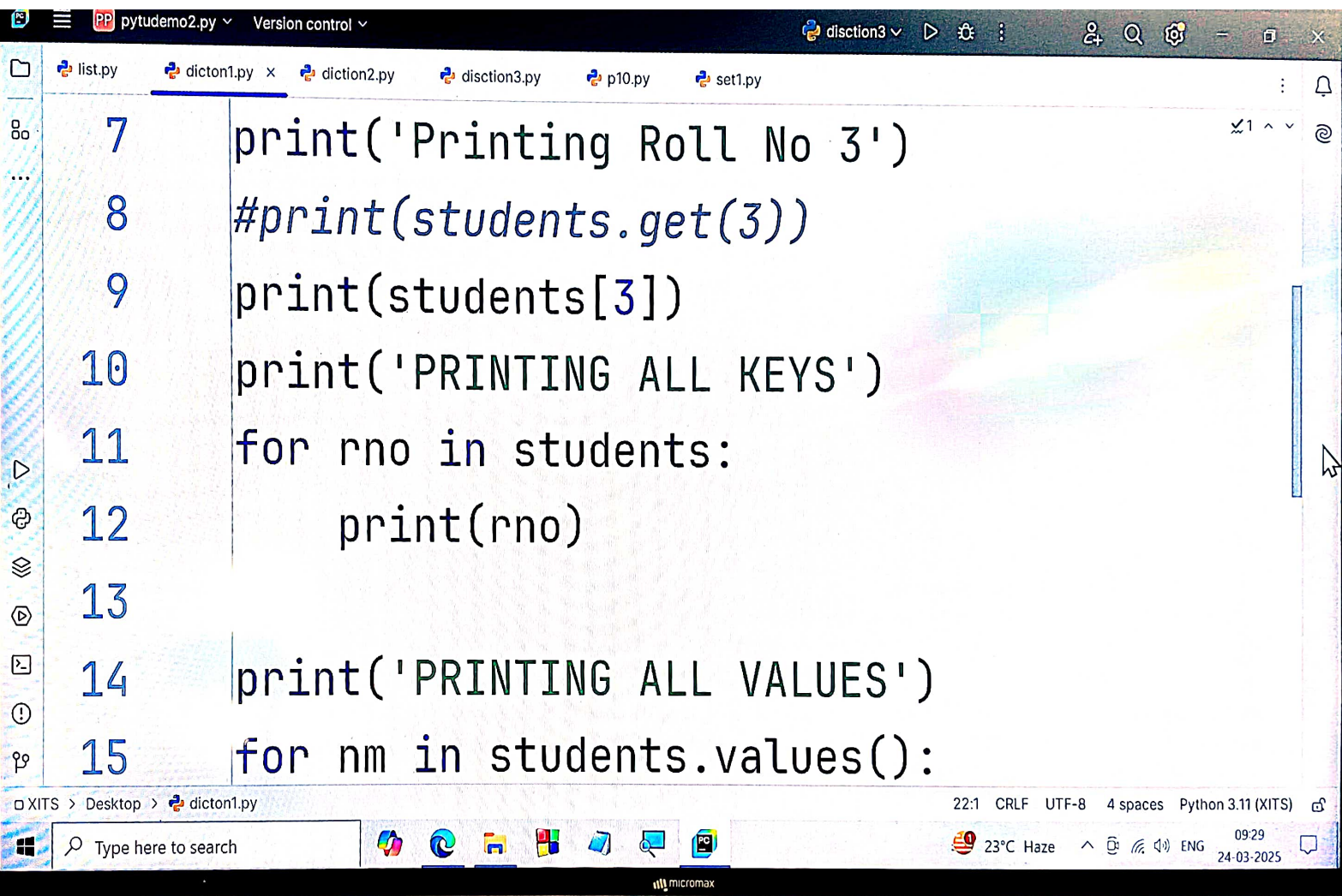
XITS > Desktop > dicton1.py 22:1 CRLF UTF-8 4 spaces Python 3.11 (XITS) 23°C Haze 09:29 24.03.2025



The image shows a screenshot of a Python IDE window. The title bar at the top indicates the file is 'pytudent2.py' and includes a 'Version control' dropdown. The editor has several tabs open: 'list.py', 'dicton1.py' (which is the active tab), 'diction2.py', 'disction3.py', 'p10.py', and 'set1.py'. The code in the active tab is as follows:

```
7 print('Printing Roll No 3')
8 #print(students.get(3))
9 print(students[3])
10 print('PRINTING ALL KEYS')
11 for rno in students:
12     print(rno)
13
14 print('PRINTING ALL VALUES')
15 for nm in students.values():
```

The bottom status bar shows the file path 'XITS > Desktop > dicton1.py', encoding '22:1 CRLF UTF-8', indentation '4 spaces', and interpreter 'Python 3.11 (XITS)'. The Windows taskbar at the very bottom includes a search bar, several application icons, and a system tray showing '23°C Haze', '09:29', and the date '24.02.2025'.



The image shows a screenshot of a Python IDE window. The title bar indicates the file is 'pytutdemo2.py' and it has 'Version control' enabled. The editor has several tabs open: 'list.py', 'dicton1.py' (selected), 'diction2.py', 'disction3.py', 'p10.py', and 'set1.py'. The code in the selected tab is as follows:

```
7 print('Printing Roll No 3')
8 #print(students.get(3))
9 print(students[3])
10 print('PRINTING ALL KEYS')
11 for rno in students:
12     print(rno)
13
14 print('PRINTING ALL VALUES')
15 for nm in students.values():
```

The bottom status bar shows the file path 'XITS > Desktop > dicton1.py', the encoding '22:1 CRLF UTF-8', the indentation '4 spaces', the interpreter 'Python 3.11 (XITS)', and the system status '23°C Haze' along with the time '09:29' and date '24-03-2025'. A 'micromax' logo is visible in the bottom center of the taskbar.


```
13  
14 print('PRINTING ALL VALUES')  
15 for nm in students.values():  
16     print(nm)  
17  
18 print('PRINTING ALL KEYS AND VALUES')  
19 for x,y in students.items():  
20     print(x,"-",y)  
21  
22
```

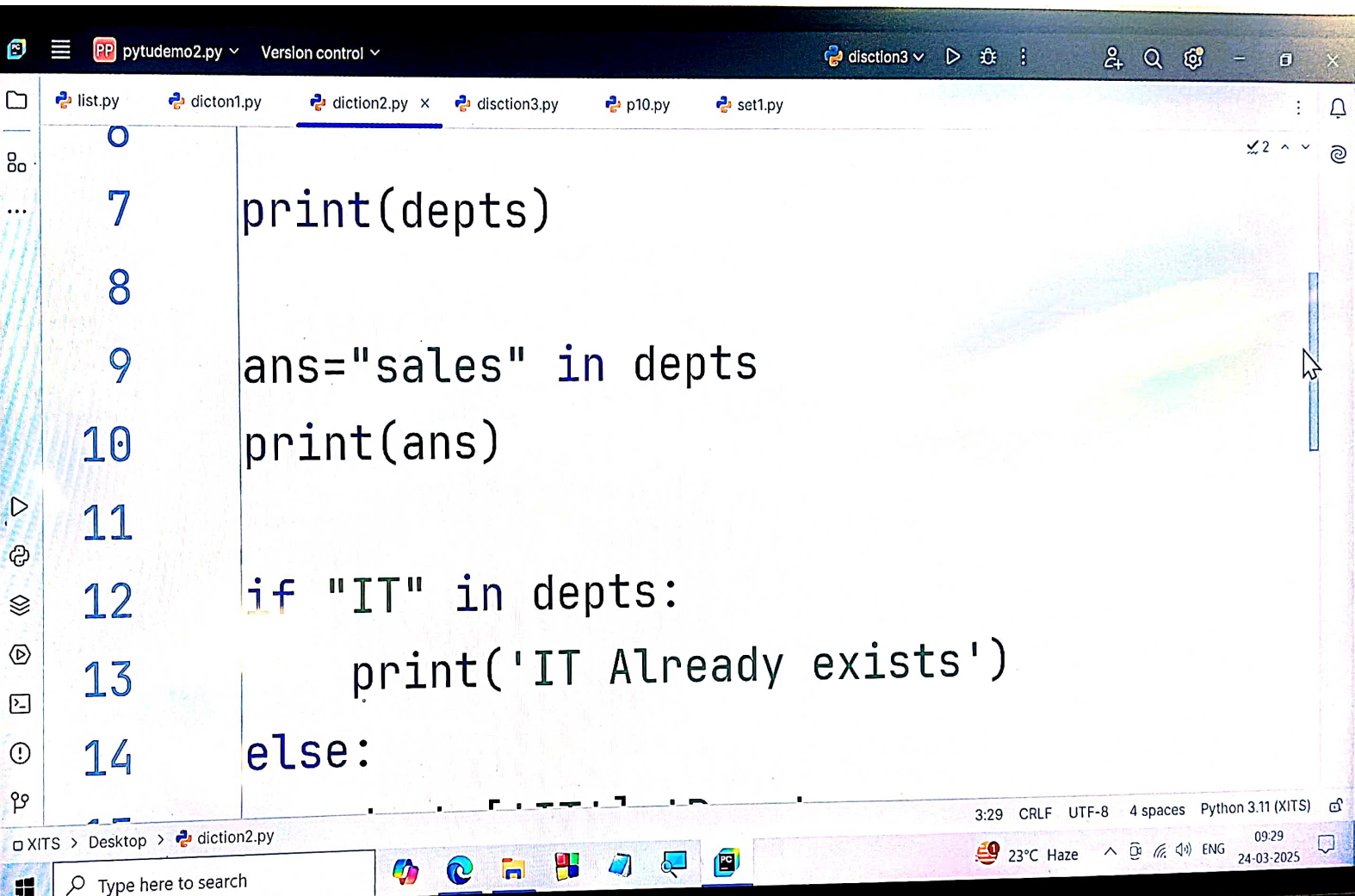
XITS > Desktop > dicton1.py

22:1 CRLF UTF-8 4 spaces Python 3.11 (XITS)

23°C Haze 09:29 24-03-2025

```
pytudem02.py Version control disction3
list.py diction1.py diction2.py x disction3.py p10.py set1.py
1 depts={
2
3     "Sales" : "Mumbai",
4     "Finance" : "Delhi",
5     "Support" : "Hyderabad"
6 }
7 print(depts)
8
9 ans="sales" in depts
```

XITS > Desktop > diction2.py 3:29 CRLF UTF-8 4 spaces Python 3.11 (XITS) 23°C Haze 09:29 24-03-2025



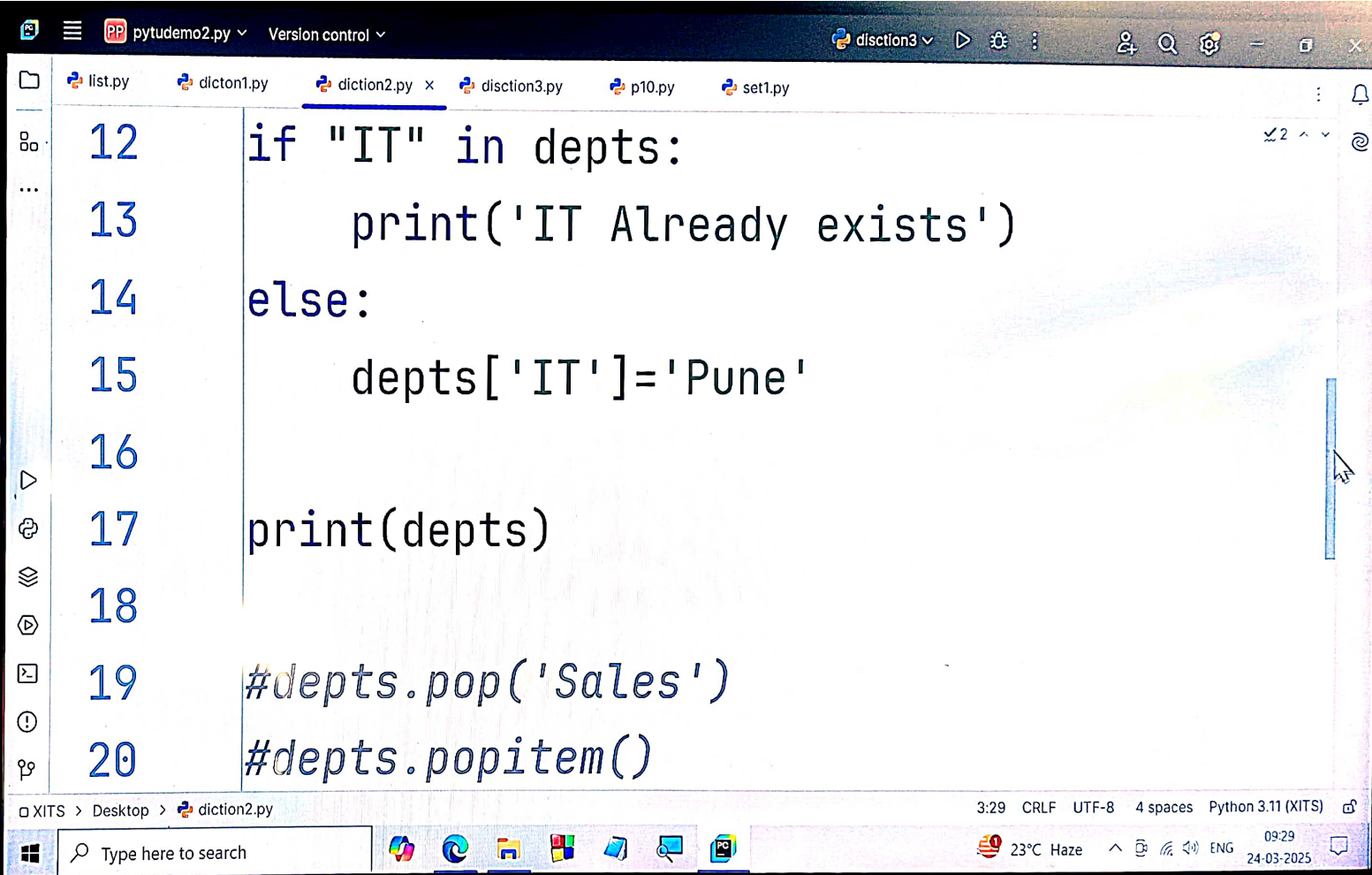
```
0  
7 print(depts)  
8  
9 ans="sales" in depts  
10 print(ans)  
11  
12 if "IT" in depts:  
13     print('IT Already exists')  
14 else:
```

3:29 CRLF UTF-8 4 spaces Python 3.11 (XITS)

XITS > Desktop > diction2.py

Type here to search

23°C Haze 09:29 24-03-2025



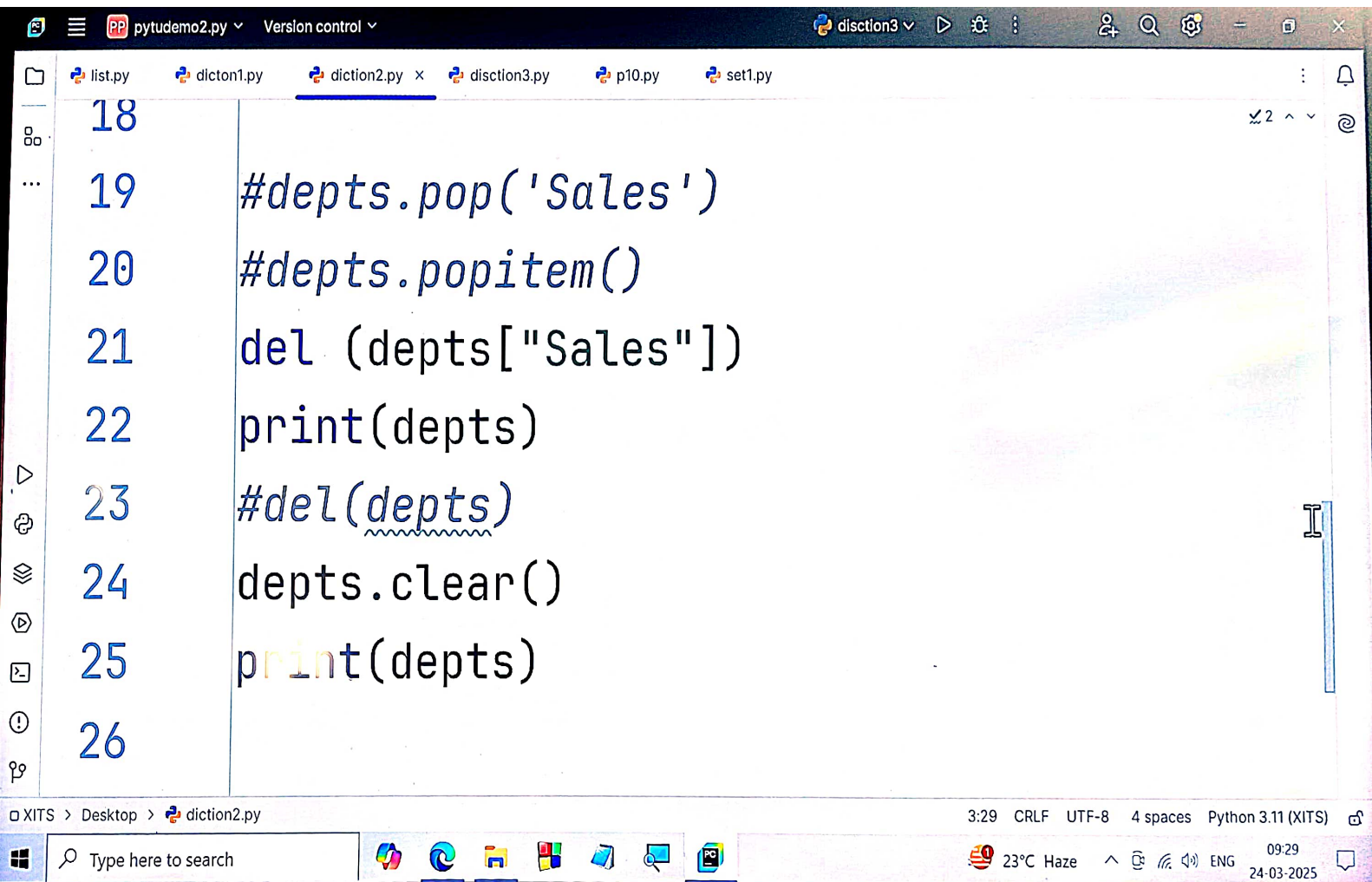
```
12 if "IT" in depts:
13     print('IT Already exists')
14 else:
15     depts['IT']='Pune'
16
17 print(depts)
18
19 #depts.pop('Sales')
20 #depts.popitem()
```

XITS > Desktop > diction2.py

3:29 CRLF UTF-8 4 spaces Python 3.11 (XITS)

Type here to search

23°C Haze 09:29 24-03-2025

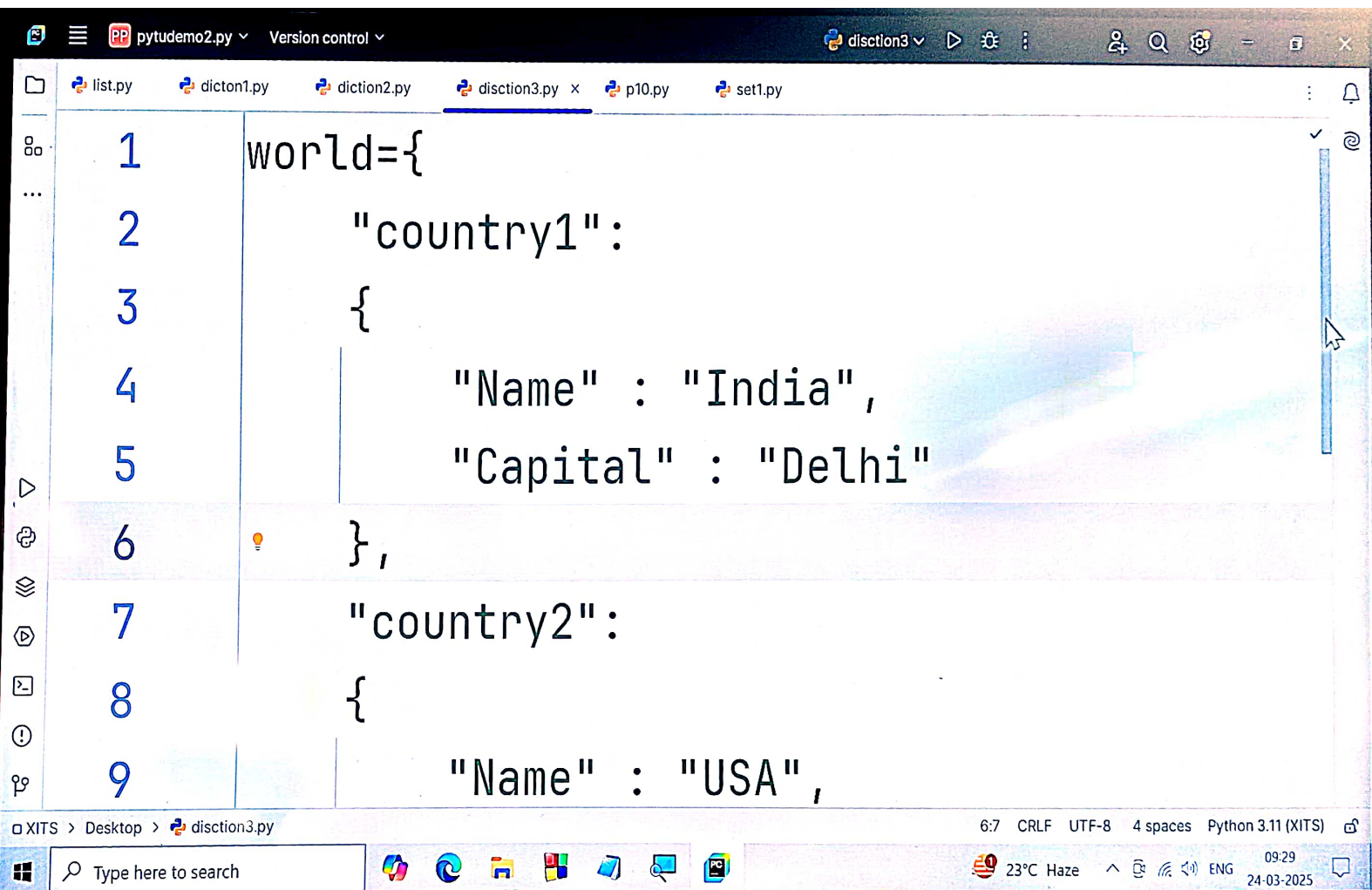


The image shows a screenshot of a code editor window. The editor has a dark theme and a sidebar on the left with icons for file explorer, search, and other tools. The top of the editor shows a tab bar with several files: list.py, dicton1.py, diction2.py (selected), disction3.py, p10.py, and set1.py. The main editing area contains Python code for manipulating a dictionary named 'depts'. The code includes comments and function calls like pop(), popitem(), del, print(), and clear(). The bottom of the editor shows a status bar with file encoding (UTF-8), indentation (4 spaces), and Python version (3.11). The Windows taskbar is visible at the very bottom, showing the search bar, taskbar icons, and system tray with date and time.

```
18
19 #depts.pop('Sales')
20 #depts.popitem()
21 del (depts["Sales"])
22 print(depts)
23 #del(depts)
24 depts.clear()
25 print(depts)
26
```

XITS > Desktop > diction2.py 3:29 CRLF UTF-8 4 spaces Python 3.11 (XITS)

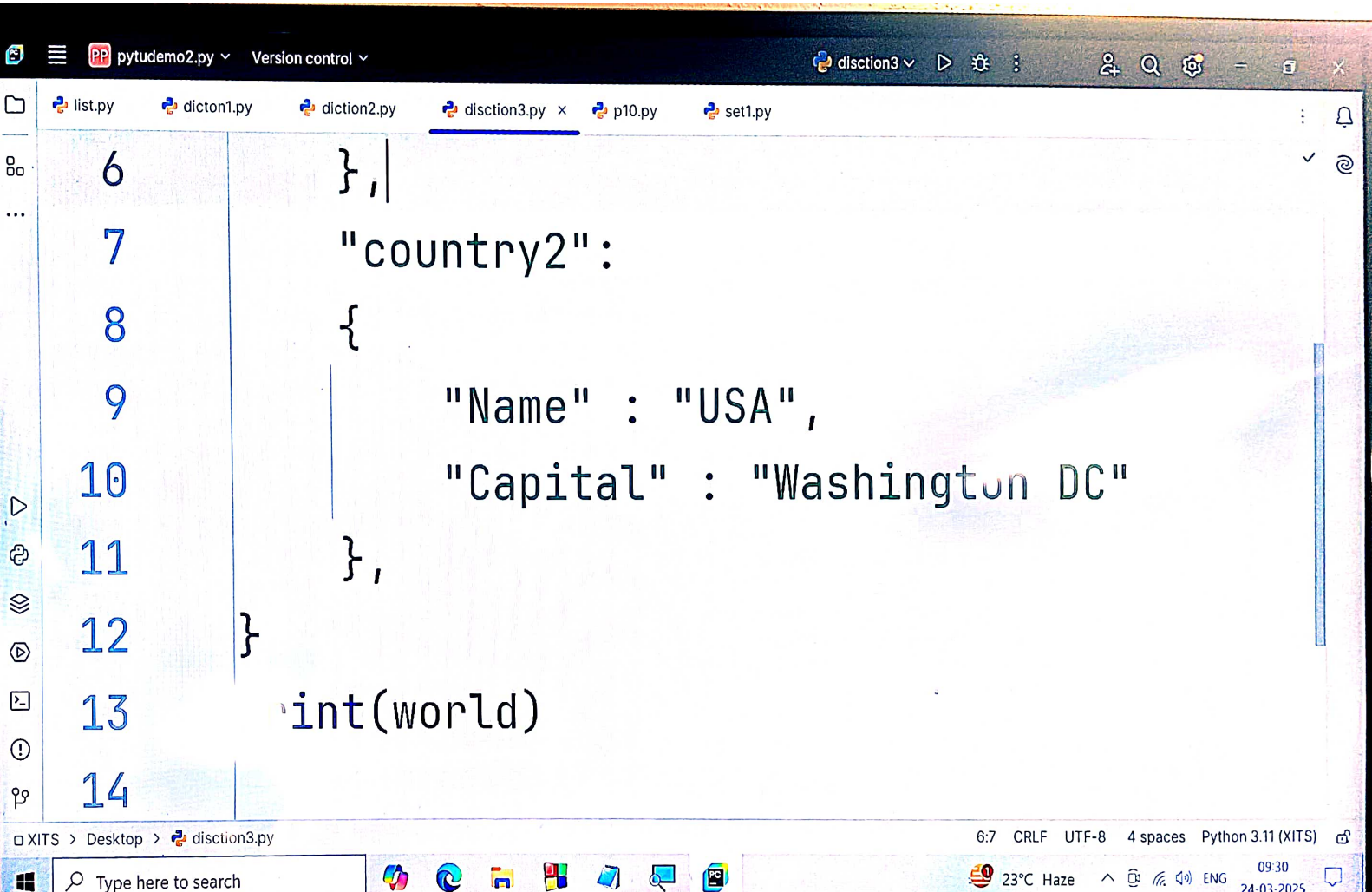
Type here to search 23°C Haze 09:29 24-03-2025



The image shows a code editor window with a dark theme. The title bar at the top indicates the file is 'pytudent2.py' and includes a 'Version control' dropdown. The editor has several tabs open: 'list.py', 'dicton1.py', 'diction2.py', 'disction3.py' (which is the active tab), 'p10.py', and 'set1.py'. The code in the active tab is a Python dictionary definition for 'world'. It starts with 'world={', followed by an indented entry for 'country1' which is a dictionary containing 'Name' (India) and 'Capital' (Delhi). This is followed by a comma and another indented entry for 'country2' which is a dictionary starting with 'Name' (USA). The code is as follows:

```
1 world={
2     "country1":
3     {
4         "Name" : "India",
5         "Capital" : "Delhi"
6     },
7     "country2":
8     {
9         "Name" : "USA",
```

The bottom status bar shows the file path 'XITS > Desktop > disction3.py', the current time '6:7', encoding 'CRLF', 'UTF-8', '4 spaces', and 'Python 3.11 (XITS)'. The Windows taskbar at the very bottom includes a search bar, several application icons, and system information: '23°C Haze', '09:29', and '24-03-2025'.



The image shows a PyCharm IDE window with the file 'disction3.py' open. The code defines a dictionary 'world' with a key 'country2' pointing to another dictionary containing 'Name' and 'Capital' for the USA. A function 'int(world)' is called at the end. The interface includes a top toolbar, a tab bar with several files, a left sidebar with icons, and a bottom status bar with settings like '6:7 CRLF UTF-8 4 spaces Python 3.11 (XITS)' and a system tray with weather and date information.

```
6      },  
7      "country2":  
8      {  
9          "Name" : "USA",  
10         "Capital" : "Washington DC"  
11     },  
12 }  
13 int(world)  
14
```

6:7 CRLF UTF-8 4 spaces Python 3.11 (XITS) 23°C Haze 09:30 24-03-2025