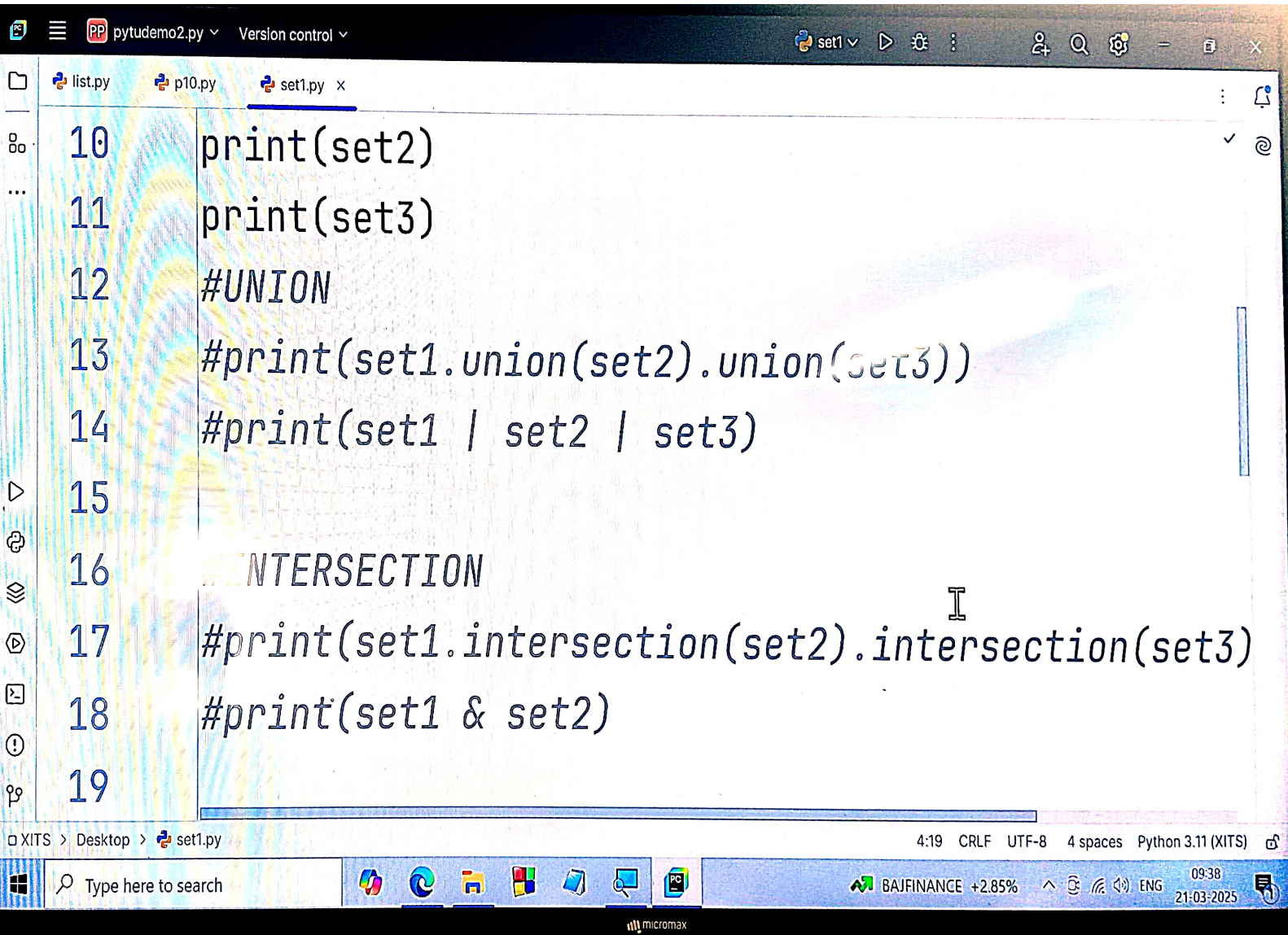


The image shows a screenshot of a code editor window with a dark theme. The editor has three tabs open: 'list.py', 'p10.py', and 'set1.py'. The 'set1.py' tab is active, displaying the following Python code:

```
1 set1={'C','C++','Java','Python'}
2 set2={'Java','C#','Python','R'}
3 set3={'Python','SQL','HTML'}
4 #set3.add('Swift')
5 print(set1)
6 set1.remove('JS')
7 print('AFTER REMOVAL',set1)
8 #JAVA OR KOTLIN - ANDROID
9 print(set1)
10 print(set2)
```

The code defines three sets: 'set1' containing 'C', 'C++', 'Java', and 'Python'; 'set2' containing 'Java', 'C#', 'Python', and 'R'; and 'set3' containing 'Python', 'SQL', and 'HTML'. It then prints 'set1', removes 'JS' from 'set1', prints 'set1' again, and finally prints 'set2'. There is a comment on line 4 that is not executed, and another comment on line 8. The editor interface includes a sidebar on the left with icons for Explorer, Search, Source Control, and Run and Debug. The bottom status bar shows the file path 'XITS > Desktop > set1.py', encoding '4:19 CRLF UTF-8', indentation '4 spaces', and interpreter 'Python 3.11 (XITS)'. The Windows taskbar at the very bottom shows the search bar, taskbar icons, and system tray with the date '21-03-2025' and time '09:38'.



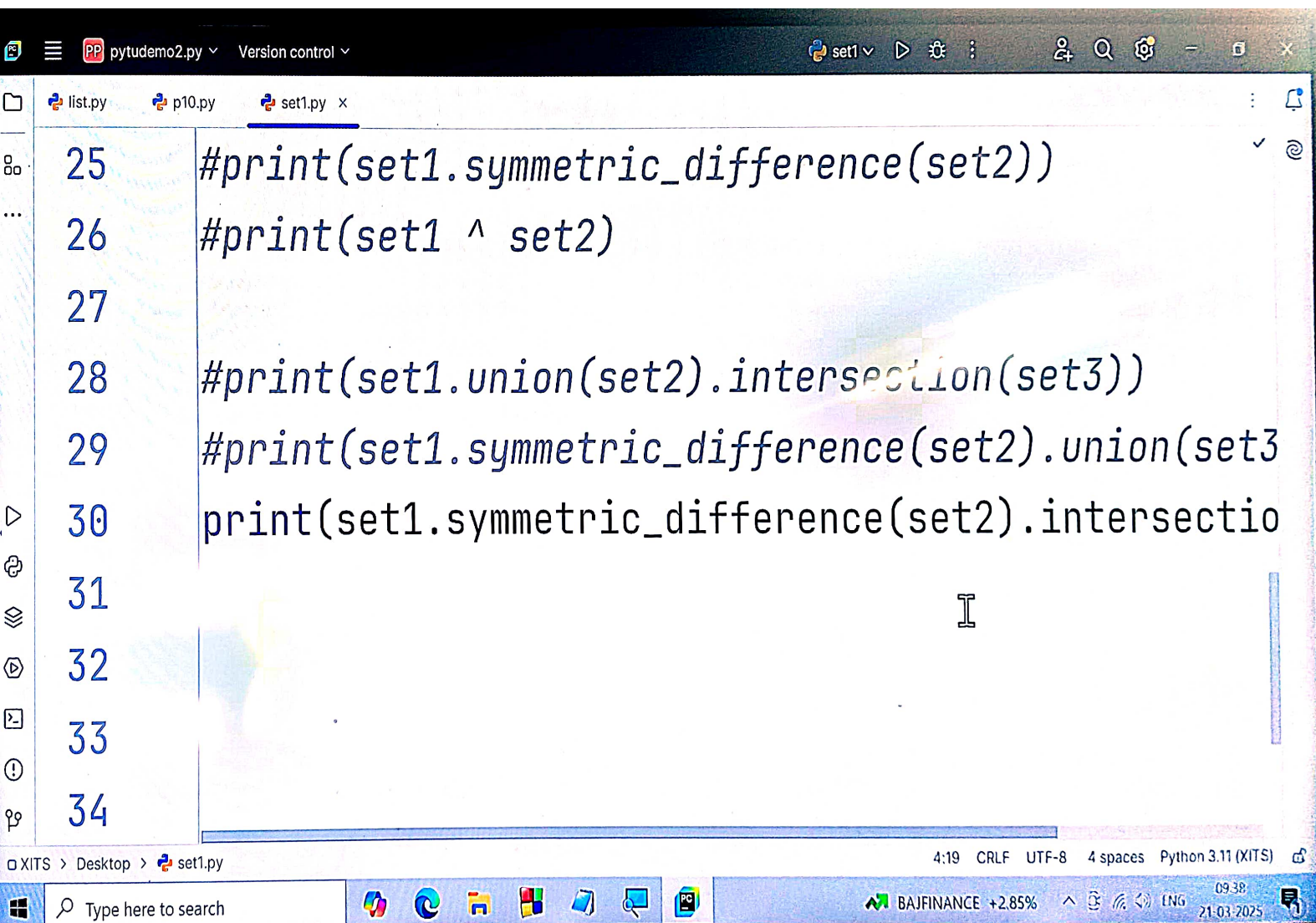
The image shows a screenshot of a Python IDE window. The title bar includes 'pytudent2.py' and 'Version control'. The file explorer on the left shows three files: 'list.py', 'p10.py', and 'set1.py', with 'set1.py' selected. The code editor displays the following Python code:

```
10 print(set2)
11 print(set3)
12 #UNION
13 #print(set1.union(set2).union(set3))
14 #print(set1 | set2 | set3)
15
16 #INTERSECTION
17 #print(set1.intersection(set2).intersection(set3))
18 #print(set1 & set2)
19
```

The status bar at the bottom shows the file path 'XITS > Desktop > set1.py', the time '4:19', 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 tray information showing 'BAJFINANCE +2.85%', 'ENG', and the date '21-03-2025'.


```
list.py  p10.py  set1.py x
19
20 #DIFFERENCE
21 #print(set2.difference(set1))
22 #print(set1-set2)
23
24 #SYM DIFFERENCE
25 #print(set1.symmetric_difference(set2))
26 #print(set1 ^ set2)
27
28 #print(set1.union(set2).intersection(set3))

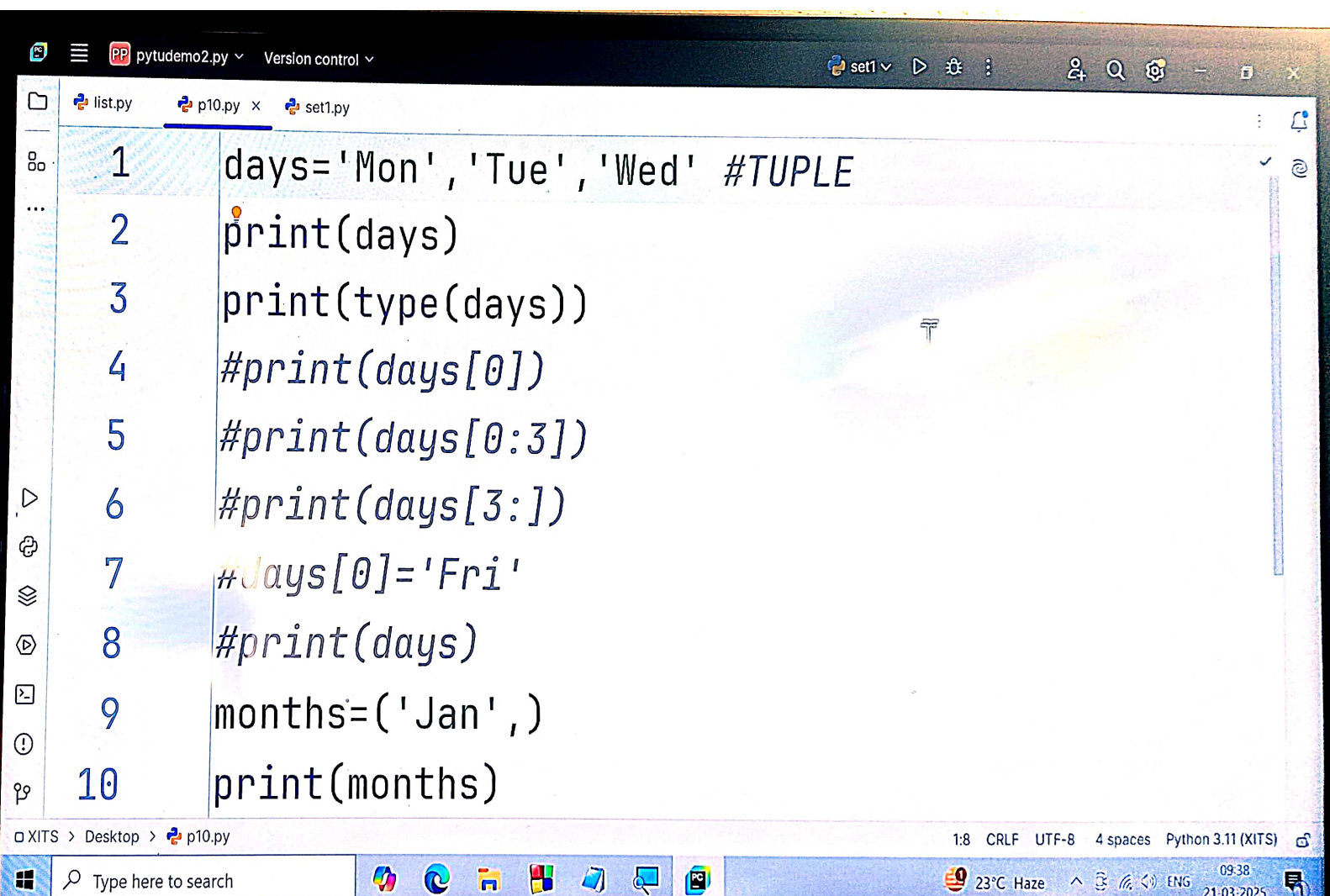
XITS > Desktop > set1.py 4:19 CRLF UTF-8 4 spaces Python 3.11 (XITS)
Type here to search BAJFINANCE +2.85% 09:38 21.03.2025
```



The image shows a screenshot of a Python IDE with a dark theme. The top bar includes a file explorer icon, a menu icon, and a tab labeled 'pytutdemo2.py' with a 'Version control' dropdown. On the right, there are icons for running, debugging, and other IDE functions, along with a tab labeled 'set1'. The main editor area has three tabs: 'list.py', 'p10.py', and 'set1.py' (which is active). The code in 'set1.py' is as follows:

```
25 #print(set1.symmetric_difference(set2))
26 #print(set1 ^ set2)
27
28 #print(set1.union(set2).intersection(set3))
29 #print(set1.symmetric_difference(set2).union(set3
30 print(set1.symmetric_difference(set2).intersectio
31
32
33
34
```

The cursor is positioned at the end of line 30. The bottom status bar shows 'XITS > Desktop > set1.py', '4:19 CRLF UTF-8 4 spaces Python 3.11 (XITS)', and a taskbar with a search bar and various application icons. A 'micromax' logo is visible at the bottom center.



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 three tabs: 'list.py', 'p10.py' (which is the active tab), and 'set1.py'. The code in the active tab is as follows:

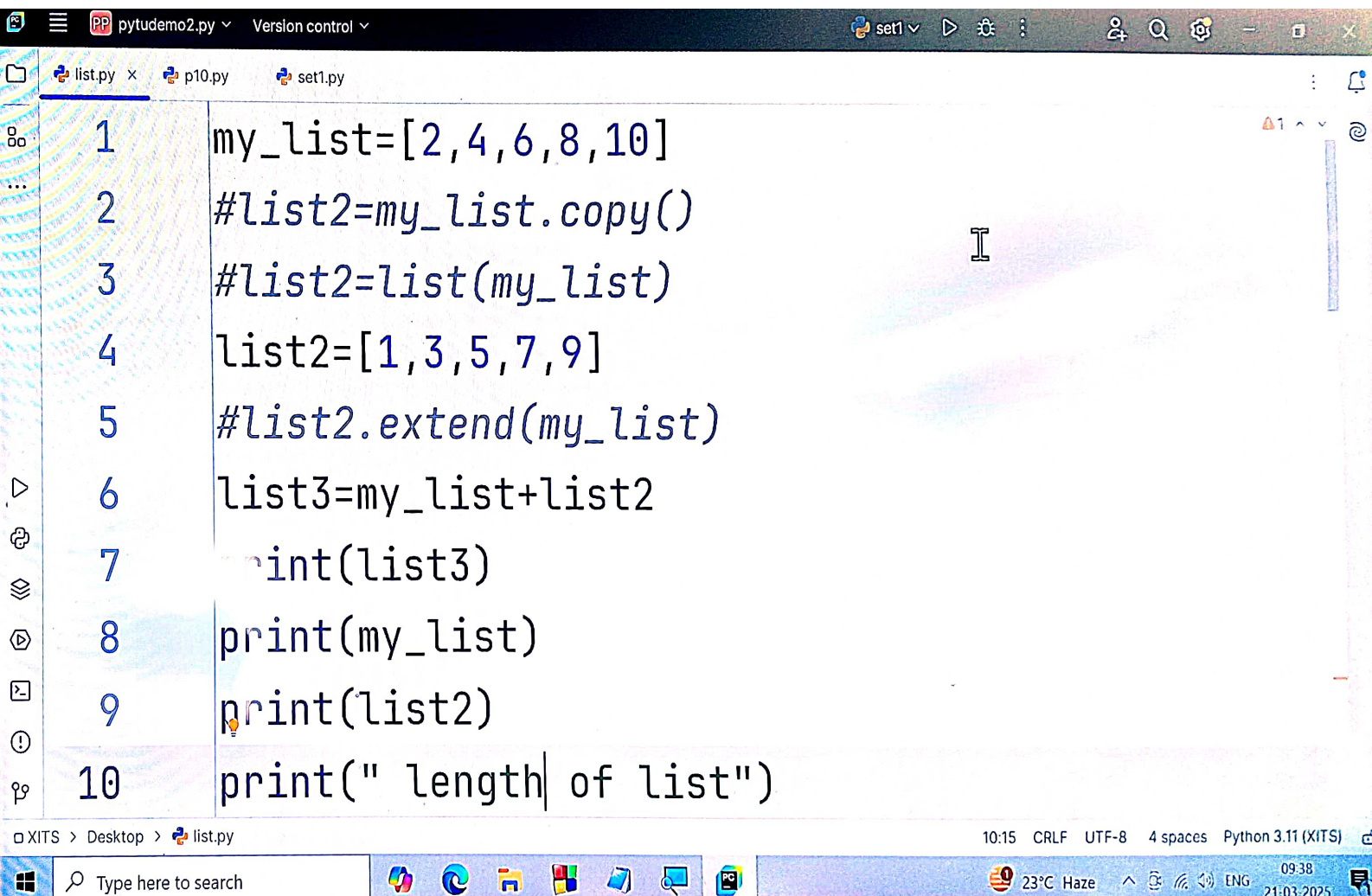
```
1 days='Mon','Tue','Wed' #TUPLE
2 print(days)
3 print(type(days))
4 #print(days[0])
5 #print(days[0:3])
6 #print(days[3:])
7 #days[0]='Fri'
8 #print(days)
9 months=('Jan',)
10 print(months)
```

The bottom status bar shows the file path 'XITS > Desktop > p10.py', encoding '1:8 CRLF UTF-8', indentation '4 spaces', and interpreter 'Python 3.11 (XITS)'. The Windows taskbar at the very bottom displays the search bar, several application icons, and system information including '23°C Haze', 'ENG', and the date '21.03.2025'.


```
list.py  p10.py x  set1.py
7      #days[0]='Fri'
8      #print(days)
9      months=('Jan',)
10     print(months)
11     print(type(months))
```

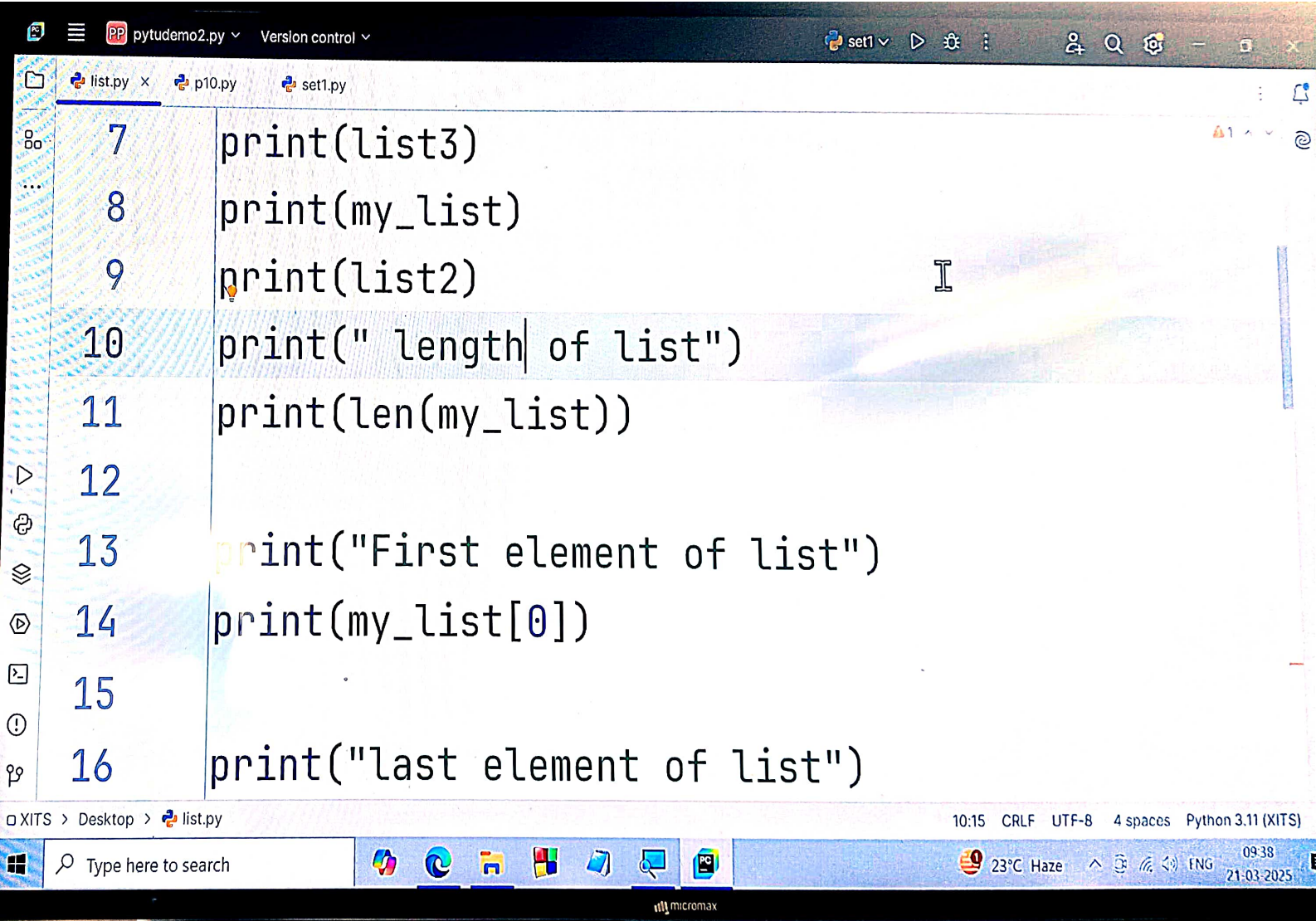
1:8 CRLF UTF-8 4 spaces Python 3.11 (XIT

micromax



The image shows a Python IDE window with a dark theme. The top bar includes a file explorer icon, a menu icon, and a tab labeled 'pytutdemo2.py' with a 'Version control' dropdown. On the right side of the top bar, there are icons for 'set1', a play button, a search icon, and a settings icon. Below the top bar, the editor has three tabs: 'list.py' (active), 'p10.py', and 'set1.py'. The editor displays a Python script with 10 lines of code. A vertical line of numbers (1-10) is on the left margin. The code defines a list 'my_list' and performs various operations on it, including copying, extending, and concatenating. The bottom status bar shows the file path 'XITS > Desktop > list.py', the time '10:15', 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 like '23°C Haze', 'ENG', and the date '21.03.2025'.

```
1 my_list=[2,4,6,8,10]
2 #list2=my_list.copy()
3 #list2=list(my_list)
4 list2=[1,3,5,7,9]
5 #list2.extend(my_list)
6 list3=my_list+list2
7 print(list3)
8 print(my_list)
9 print(list2)
10 print(" length of list")
```



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 main area displays a Python script with line numbers 7 through 16. The code includes print statements for list3, my_list, list2, the length of list, the first element of list, and the last element of list. The editor's status bar at the bottom shows the file path 'XITS > Desktop > list.py', the current time '10:15', encoding 'CRLF', file format 'UTF-8', indentation '4 spaces', and the Python version 'Python 3.11 (XITS)'. The Windows taskbar is visible at the very bottom, showing the search bar and several application icons.

```
7 print(list3)
8 print(my_list)
9 print(list2)
10 print(" length of list")
11 print(len(my_list))
12
13 print("First element of list")
14 print(my_list[0])
15
16 print("last element of list")
```

XITS > Desktop > list.py 10:15 CRLF UTF-8 4 spaces Python 3.11 (XITS) 23°C Haze 09:38 21-03-2025