

## Assignment 2

Write a Python program to get a list, sorted in increasing order by the last element in each tuple from a given list of non-empty tuples

Sample List : [(2, 5), (1, 2), (4, 4), (2, 3), (2, 1)]

Expected Result : [(2, 1), (1, 2), (2, 3), (4, 4), (2, 5)]

```
In [1]: def last(n): return n[-1]

def sort_list_last(tuples):
    return sorted(tuples, key=last)

print(sort_list_last([(2, 5), (1, 2), (4, 4), (2, 3), (2, 1)]))
```

[(2, 1), (1, 2), (2, 3), (4, 4), (2, 5)]

Write a Python program to print a dictionary whose keys should be the alphabet from a-z and the value should be corresponding ASCII values

Sample Output : {'a': 97, 'b': 98, 'c': 99, 'd': 100, 'e': 101, 'f': 102, 'g': 103, 'h': 104, 'i': 105, 'j': 106, 'k': 107, 'l': 108, 'm': 109, 'n': 110, 'o': 111, 'p': 112, 'q': 113, 'r': 114, 's': 115, 't': 116, 'u': 117, 'v': 118, 'w': 119, 'x': 120, 'y': 121, 'z': 122}

```
In [3]: # Create the dictionary
my_dict = {}

# Now populate it
for i in range(97, 97 + 26):
    # Map character to ascii value
    my_dict[chr(i)] = i

# Print the populated dictionary
print(my_dict)
```

{'a': 97, 'b': 98, 'c': 99, 'd': 100, 'e': 101, 'f': 102, 'g': 103, 'h': 104, 'i': 105, 'j': 106, 'k': 107, 'l': 108, 'm': 109, 'n': 110, 'o': 111, 'p': 112, 'q': 113, 'r': 114, 's': 115, 't': 116, 'u': 117, 'v': 118, 'w': 119, 'x': 120, 'y': 121, 'z': 122}

In [ ]: