EX 1

```python
from string import ascii_lowercase as alphabet
dic = {letter: 26-index for index, letter in enumerate(alphabet)}
dic
```

```
{'a': 26,
 'b': 25,
 'c': 24,
 'd': 23,
 'e': 22,
 'f': 21,
 'g': 20,
 'h': 19,
 'i': 18,
 'j': 17,
 'k': 16,
 'l': 15,
 'm': 14,
 'n': 13,
 'o': 12,
 'p': 11,
 'q': 10,
 'r': 9,
 's': 8,
 't': 7,
 'u': 6,
 'v': 5,
 'w': 4,
 'x': 3,
 'y': 2,
 'z': 1}
```

EX 2

```
2*j-1+k for k in range(j)} for j in range(1, 100)]
```

```
In [3]:  s = set()
         for e in var:
             s |= e

         print(s)
```

{1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22,
23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41,
42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60,
61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79,
80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98,
99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 11
4, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 12
9, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 14
4, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 15
9, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 17
4, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 18
9, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 20
4, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 21
9, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 23
4, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 24
9, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 26
4, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 27
9, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 29
4, 295}

In [ ]:
```

```