In [1]:
```
#Q9
str1 = "#OPTROL"
str2 = "CMUEWRD"
leng = len(str1)
for word in range(leng):
    print(str1[word], str2[word], end="")
```

```
# CO MP UT ER WO RL D
```

In [2]:
```
#Q10
for M in range(4):
    for N in range(3):
        print(M,N,sep=",",end="\t")
    print()
```

```
0,0     0,1     0,2
1,0     1,1     1,2
2,0     2,1     2,2
3,0     3,1     3,2
```

In [3]:
```
#Q12
counter = 100
while counter > 10:
    print(counter, end=",")
    counter -= 1
print("final result")
```

```
100,99,98,97,96,95,94,93,92,91,90,89,88,87,86,85,84,83,82,81,80,79,78,77,76,75,74,73,72,71,70,69,68,67,66,65,64,63,62,61,60,59,
58,57,56,55,54,53,52,51,50,49,48,47,46,45,44,43,42,41,40,39,38,37,36,35,34,33,32,31,30,29,28,27,26,25,24,23,22,21,20,19,18,17,1
6,15,14,13,12,11,final result
```

In [5]:
```
#Q15a
ODD = tuple(range(1,51,2))
EVEN = tuple(range(0,51,2))
print(ODD, EVEN)
```

```
(1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49) (0, 2, 4, 6, 8, 10, 12, 14, 16,
18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50)
```

In [6]:
```
#Q16
t = 1,2,3
t[0] = 5
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Input In [6], in <cell line: 2>()
      1 t = 1,2,3
----> 2 t[0] = 5

TypeError: 'tuple' object does not support item assignment
```

In [11]:
```
#Q18
lst = ['P','r','o','b','l','e','m']
lst[2:3] = ''
print(lst)
lst[2:5] = ''
print(lst)
```

```
['P', 'r', 'b', 'l', 'e', 'm']
['P', 'r', 'm']
```

In [12]:
```
#Q17
text="abracadabraaabbccrr"
counts = {}
ct = 0
lst=[]

for word in text:
    if word not in lst:
        lst.append(word)
        counts[word]=0
    ct=ct+1
    counts[word]=counts[word]+1
print(counts)
print(lst)
```

```
{'a': 7, 'b': 4, 'r': 4, 'c': 3, 'd': 1}
['a', 'b', 'r', 'c', 'd']
```