mylist3=[num**2 for num in range(10)]

mylist3

mystring='One 1 two 2 three 3 four 4 five 5 six 6789'
mylist4=[i for i in mystring if i.isdigit()]
mylist4

```
mystring='One 1 two 2 three 3 four 4 five 5 six 6789'
mylist5=[i for i in mystring if i.isalpha()]
mylist5
     ['0',
      'n',
      'e',
      't',
      'W',
      0'
      't',
      'h',
      'e',
      'e',
      'f'
      0',
      'r'
      'f',
      'i',
      'v',
      'e',
      's',
      'i'
      'x']
double={i:i*2 for i in range(10)}
double
\rightarrow {0: 0, 1: 2, 2: 4, 3: 6, 4: 8, 5: 10, 6: 12, 7: 14, 8: 16, 9: 18}
square={i:i**2 for i in range(10)}
square
\rightarrow {0: 0, 1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81}
key=['one','two','three','four','five']
value=[1,2,3,4,5]
mydict={k:v for k,v in zip(key,value)}
mydict
{'one': 1, 'two': 2, 'three': 3, 'four': 4, 'five': 5}
```

```
mydict1={'a':10,'b':20,'c':30,'d':40,'e':50}
mydict1={k:v/10 for (k,v) in mydict1.items()}
mydict1
₹ {'a': 1.0, 'b': 2.0, 'c': 3.0, 'd': 4.0, 'e': 5.0}
str1='Natural Language Processing'
mydict2={k:v for (k,v)in enumerate(str1)}
mydict2
    {0: 'N',
      1: 'a',
      2: 't'
      3: 'u',
      4: 'r'
      5: 'a',
      6: 'l',
     7: ' '
     8: 'L'
     9: 'a'
      10: 'n',
      11: 'g'
      12: 'u'
      13: 'a'
      14: 'q'
      15: 'e'
      16: ' '
      17: 'P'
      18: 'r'
     19: 'o'
     20: 'c'
     21: 'e',
     22: 's'
      23: 's',
     24: 'i',
     25: 'n',
      26: 'q'}
```

Start coding or generate with AI.