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CTEC 415

April 23, 2020

**Hashing in Python:**

import random  
random.sample(range(1,101), 6)  
  
[78, 66, 83, 68, 18, 60]  
hash\_list = [None for \_ in range(11)]  
  
len\_hash\_table = len(hash\_list)  
  
def hash\_function(item, size):  
    return item % size  
  
to\_hash = [78, 66, 83, 68, 18, 60]  # items to be hashed  
  
hash\_vals = []  # will store calculated hash values  
  
for item in to\_hash:  
    hash\_vals.append(hash\_function(item, len\_hash\_table))  
  
pairs = list(zip(to\_hash, hash\_vals))  # must wrap this generator in a list  
  
for tup in pairs:  
    item, hash\_val = tup