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import hashlib, csv, base64

data=[]
dice=b'This is where we will put the block hash of block #551600, whose value is not yet known. An example of the
format follows, using an earlier block 551483, to illustrate the format'
example_only=b'0000000000000000000012674ebe32f93194c5cfc7a8aab6f18b0d106c78d03b5'

def mkordercode(applicationcode):
    m=hashlib.sha256()
    m.update(applicationcode.encode('utf-8') + dice)
    digest=m.digest()
    return base64.b32encode(digest).decode('utf-8')

#The following are codes from the 4's AM only, since that is the only offering currently overbooked:
codes=['460HWSMJ', '5FDWXDNU', '646WDY6Z', '6M6UGUXJ', '6ZXJZHFB', 'BNWQPGEG', 'EA6GAP4Q', 'F7LB3KEC', 'FZYUAL4S',
'GMJZE2D3', 'H6V5HCXH', 'MTVE2DZX', 'NUBFUJ4X', 'R2BEDRN6', 'SIJIIQIV', 'UATIVJKX', 'UCTDHMK', 'V7VZLTX4', 'WHL22I2Z', 'XWUG6H27']

output=[]

for code in codes:
    ordercode=mkordercode(code)
    output.append([code, ordercode])

output.sort(key=lambda x: x[1])

with open('suffled.csv', 'w') as outf:
    writer=csv.writer(outf)
    for out in output:
        writer.writerow(out)

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