Problem 1: Encryption (applyCoder)

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Week 6 > Problem Set 6 > Problem 1: Encryption (applyCoder)
(15/15 points)
Next, define the function applyCoder, which applies a coder to a string of text.
Test Cases
>>> applyCoder("Hello, world!", buildCoder(3))
'Khoor, zruoq!'
>>> applyCoder("Khoor, zruog!", buildCoder(23))
'Hello, world!'
Test 1: applyCoder('Hello, world!', buildCoder(7))
Output:
     'Olssv, dvysk!'
Test 2: applyCoder('Hello, world!', buildCoder(0))
Output:
     'Hello, world!'
Test 3: applyCoder('Hello, world!', buildCoder(2))
Output:
      'Jgnnq, yqtnf!'
Test 4: applyCoder('Hello, world!', buildCoder(21))
Output:
     'Czggj, rjmgy!'
Test 5: applyCoder('The quiz is... hard!', buildCoder(7))
Output:
     'Aol xbpg pz... ohyk!'
Test 6: applyCoder('The quiz is... hard!', buildCoder(0))
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Output:

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'The quiz is... hard!'
Test 7: applyCoder('The quiz is... hard!', buildCoder(2))
Output:
     'Vjg swkb ku... jctf!'
Test 8: applyCoder('The guiz is... hard!', buildCoder(21))
Output:
     'Ocz lpdu dn... cvmy!'
Test 9: applyCoder('12 jackdaws quizzed my sphinx!?', buildCoder(7))
Output:
     '12 qhjrkhdz xbpqqlk tf zwopue!?'
Test 10: applyCoder('12 jackdaws quizzed my sphinx!?', buildCoder(0))
Output:
     '12 jackdaws quizzed my sphinx!?'
Test 11: applyCoder('12 jackdaws quizzed my sphinx!?', buildCoder(2))
Output:
     '12 lcemfcyu swkbbgf oa urjkpz!?'
Test 12: applyCoder('12 jackdaws quizzed my sphinx!?', buildCoder(21))
Output:
     '12 evxfyvrn lpduuzy ht nkcdis!?'
Test 13: applyCoder('tV ?,3aSG7AxbzXL5kiF84sw-mnEK!', buildCoder(7))
Output:
     'aC ?,3hZN7HeigES5rpM84zd-tuLR!'
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Test 14: applyCoder('tV ?,3aSG7AxbzXL5kiF84sw-mnEK!', buildCoder(0))

Output:

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'tV ?, 3aSG7AxbzXL5kiF84sw-mnEK!'
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Test 15: applyCoder('tV ?,3aSG7AxbzXL5kiF84sw-mnEK!', buildCoder(2))

Output:

'vX ?,3cUI7CzdbZN5mkH84uy-opGM!'

Test 16: applyCoder('tV ?,3aSG7AxbzXL5kiF84sw-mnEK!', buildCoder(21))

Output:

'oQ ?,3vNB7VswuSG5fdA84nr-hiZF!'