Candidate name: hs

Centre number: njc

Index number: 1301018

Programming language used: python 3

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| **EVIDENCE 1**  def DecimalToBinary(DecimalNumber):  BinaryString = ''  while DecimalNumber>0:  remainder = DecimalNumber % 2  DecimalNumber = DecimalNumber // 2  BinaryString = str(remainder) + BinaryString  return BinaryString.zfill(8) |
| **EVIDENCE 2** |
| **EVIDENCE 3**  def BitShift(binaryString):  binarycheck = True  for i in binaryString:  if i not in ['0','1']:  binarycheck = False  if len(binaryString) == 8 and binarycheck:  binaryString = binaryString[1:] + binaryString[0]  return binaryString  else:  print('Invalid 8-bit binary string!\n') |
| **EVIDENCE 4** |
| **EVIDENCE 5**  def Encrypt(word):  encrypted = ''  for letter in word:  encrypted += BitShift(DecimalToBinary(ord(letter)+1))+' '  return encrypted.strip() |
| **EVIDENCE 6** |
| **EVIDENCE 7** |
| **EVIDENCE 8** |
| **EVIDENCE 9** |
| **EVIDENCE 10** |
| **EVIDENCE 11** |
| **EVIDENCE 12** |
| **EVIDENCE 13** |
| **EVIDENCE 14** |
| **EVIDENCE 15** |
| **EVIDENCE 16** |