import string

g =[]

for i in range (100):

a = string.printable

e = len(a)

f = a[i]

g.append(f)

index\_ascii = []

for i in range(len(g)):

h = int(ord(g[i]))

index\_ascii.append(h)

j = {}

for i in range (len(g)):

j[int(index\_ascii[i])] = str(g[i])

print ("--------------------------")

print (" No |" + " oktal |"+ " hex |"+" sim |")

print ("--------------------------")

for i in range(128):

b = str(bin(i))

c = str(hex(i))

d = str(oct(i))

if int(i) in index\_ascii:

if len(str(i)) == 3 :

if len(str(d)) == 4 :

if len(str(c)) == 3:

print (str(i)+" | %s | %s | %s | ")%(d,c,j[i])

else:

print (str(i)+" | %s | %s | %s | ")%(d,c,j[i])

elif len(str(d)) == 3 :

if len(str(c)) == 3:

print (str(i)+" | %s | %s | %s | ")%(d,c,j[i])

else:

print (str(i)+" | %s | %s | %s | ")%(d,c,j[i])

elif len(str(d)) == 2 :

if len(str(c)) == 3:

print (str(i)+" | %s | %s | %s | ")%(d,c,j[i])

else:

print (str(i)+" | %s | %s | %s | ")%(d,c,j[i])

elif len(str(d)) == 1 :

if len(str(c)) == 3:

print (str(i)+" | %s | %s | %s | ")%(d,c,j[i])

else:

print (str(i)+" | %s | %s | %s | ")%(d,c,j[i])

elif len(str(i)) == 2:

if len(str(d)) == 4 :

if len(str(c)) == 3:

print (" "+str(i)+" | %s | %s | %s | ")%(d,c,j[i])

else:

print (" "+str(i)+" | %s | %s | %s | ")%(d,c,j[i])

elif len(str(d)) == 3 :

if len(str(c)) == 3:

print (" "+str(i)+" | %s | %s | %s | ")%(d,c,j[i])

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if len(str(c)) == 3:

print (" "+str(i)+" | %s | %s | %s | ")%(d,c,j[i])

else:

print (" "+str(i)+" | %s | %s | %s | ")%(d,c,j[i])

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if len(str(c)) == 3:

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else:

print (" "+str(i)+" | %s | %s | %s | ")%(d,c,j[i])

else :

if len(str(i)) == 3 :

if len(str(d)) == 4 :

if len(str(c)) == 3:

print (str(i)+" | %s | %s | | ")%(d,c)

else:

print (str(i)+" | %s | %s | | ")%(d,c)

elif len(str(d)) == 3 :

if len(str(c)) == 3:

print (str(i)+" | %s | %s | | ")%(d,c)

else:

print (str(i)+" | %s | %s | | ")%(d,c)

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if len(str(c)) == 3:

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