

Encoder program

Simple version - choice of encode or decode. You need to restart the program every time you want to use it again.

```
7% messageencoder.py - C:\Users\Lin\Dropbox\python\messageencoder.py
File Edit Format Run Options Windows Help
#message encoder
#choose encode or decode
#enter the message plus the code to use
#the new version of the message will be displayed

print "welcome to the encoder"
encode=raw_input("encode (e) or decode (d)? ")
message=raw_input("What is the message? ")
cypher = int(raw_input("What is the cypher? "))

if encode=="e":
    newmessage=""
    for letter in message:
        number=ord(letter)+ cypher
        newmessage=newmessage+chr(number)

elif encode=="d":
    newmessage=""
    for letter in message:
        number=ord(letter)- cypher
        newmessage=newmessage+chr(number)

print newmessage
Ln: 31 Col: 0
```

Same again but with a While loop added. As long as the user enters e for encode or d for decode the program will continue. Enter anything else to stop.

```
7% loopingmessagecoder.py - C:\Users\Lin\Dropbox\python\loopingmessagecoder.py
File Edit Format Run Options Windows Help
#message encoder
#choose encode or decode
#enter the message plus the code to use
#the new version of the message will be displayed
print "*****"
print "*welcome to the encoder*"
print "*****"
encode=raw_input("encode (e) or decode (d)? ")

while encode=="d" or encode=="e":

    message=raw_input("What is the message? ")
    cypher = int(raw_input("What is the cypher? "))

    if encode=="e":
        newmessage=""
        for letter in message:
            number=ord(letter)+ cypher
            newmessage=newmessage+chr(number)

    elif encode=="d":
        newmessage=""
        for letter in message:
            number=ord(letter)- cypher
            newmessage=newmessage+chr(number)

    print newmessage

    encode=raw_input("encode (e) or decode(d)? ")

print "thank you for using the encoder"
Ln: 38 Col: 0
```