Pseudocode

Write a message that is meant to be decoded
Create an empty array
Create a loop that converts the letters in the message into decimal notation and then stores it in an array
Create if operators with personalized responses for if they guessed correctly or incorrectly

Code

```
#Cole Current
#5/18/2020
def main():

 message = "Moon Landing"
 encodedMessage = []
 decodedMessage = ""

 # Encoding the Messages
 # x is each character in message, e is each character when it is encoded
 print("Can you guess this coded message, one of the greatest feats of humanity?")
 for x in message:
   encodedMessage.append(ord(x))
 for e in encodedMessage: print(e)
 print("")

 userGuess = input("Where do you think this message is from? Can you guess this historical event?(hint: Saturn V)")

 if(userGuess == "Moon Landing"):
   print("Yep thats correct!")
   print("")
   for e in encodedMessage:
     decodedMessage = decodedMessage + chr(e)
   print("Decoded Message: ")
   print(decodedMessage)
 else:
   print("I'm sorry, that guess wasn't correct. Here is the message:")
   print("")
```

```
  for e in encodedMessage:
    decodedMessage = decodedMessage + chr(e)
  print("Decoded Message: ")
  print(decodedMessage)

main()
```

PMR

What is the purpose of your program? This program encrypts a message and then asks a user to guess the original message.

How could your program be useful in the real world? It could be used for basic encryption.

What is a problem you ran into, and how did you fix it? I was having trouble encrypting the message with the loops.

What was one thing you would do differently the next time you write a program? I would understand everything completely before proceeding.