Assignment 3

**Copying dataset from mainframe ZOS to USS**  
/z/z52080 > cp "//'Z52080.MFT.PS1'" "/z/z52080/dataset.ebcdic"

**Python code to encode the data of the above file which we copied :**

import codecs

*# Read text from file*

with open("dataset.ebcdic", "r", encoding="utf-8") as file:

    text = file.read()

*# Encode text to EBCDIC (cp037)*

encoded = text.encode("cp037")

*# Save encoded data to a new file*

with open("encoded.bin", "wb") as file:

    file.write(encoded)

print("Original Text:", text)

print("Encoded (EBCDIC):", encoded)

**OUTPUT :**

/z/z52080 > python3 ascii.py

Original Text: HELLO,THIS IS A DATA FROM Mainframe. 0001000

Encoded (EBCDIC): b'@\xc8\xc5\xd3\xd3\xd6k\xe3\xc8\xc9\xe2@\xc9\xe2@\xc1@\xc4\xc1\xe3\xc1@\xc6\xd9\xd6\xd4@\xd4\x81\x89\x95\x86\x99\x81\x94\x85K@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@\xf0\xf0\xf0\xf1\xf0\xf0\xf0\x15'

**Decoding command :**

iconv -f IBM-037 -t UTF-8 "encoded.bin" > "dataset.txt"