

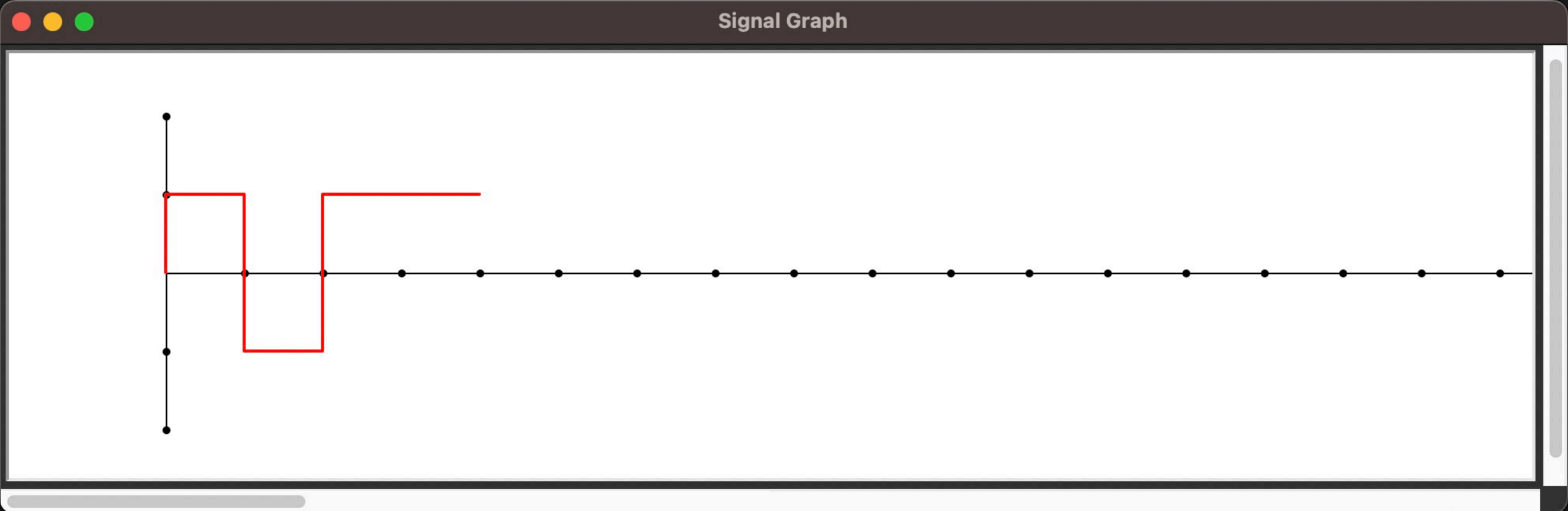
DC Encoding Assignment.py

DC Encoding Assignment.py

Users > im_zshan > Desktop > DC Encoding Assignment > DC Encoding Assignment.py > longestPalindrome

```
89         t.forward(self.distance)
90
91     class AMI:
92     def __init__(self, signal: str):
93         self.signal = signal
94         self.logic_high = 50
95         self.logic_low = -50
96         self.distance = 50
97         self.base = 0
98
99     def draw(self):
100         temp=0
101         for i in self.signal:
102             if i == '0':
103                 self.zero()
104             elif i == '1':
105                 temp+=1
106                 count=temp%2
107                 if count==1:
108                     self.onepos()
109                 elif count == 0:
110                     self.oneneg()
111
112     def zero(self):
```

Signal Graph



PROBLEMSOUTPUTDEBUG CONSOLETERMINALJUPYTER

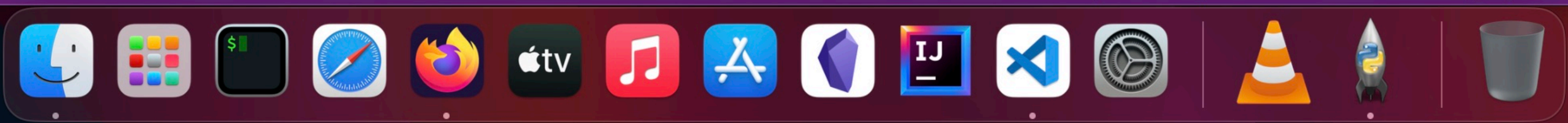
Code - im_zshan

0110

Encode in format:
1. NRZ-I
2. NRZ-L
3. Manchester
4. Diff Manchester
5. AMI

1
Entered Input : 0110
50.000000000000014
-49.999999999999986
longest Palindrome: 0110

Ln 319, Col 56 Spaces: 4 UTF-8 CRLF Python 3.11.0 64-bit Go Live



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Signal Graph

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

3. Manchester
4. Diff Manchester
5. AMI

5

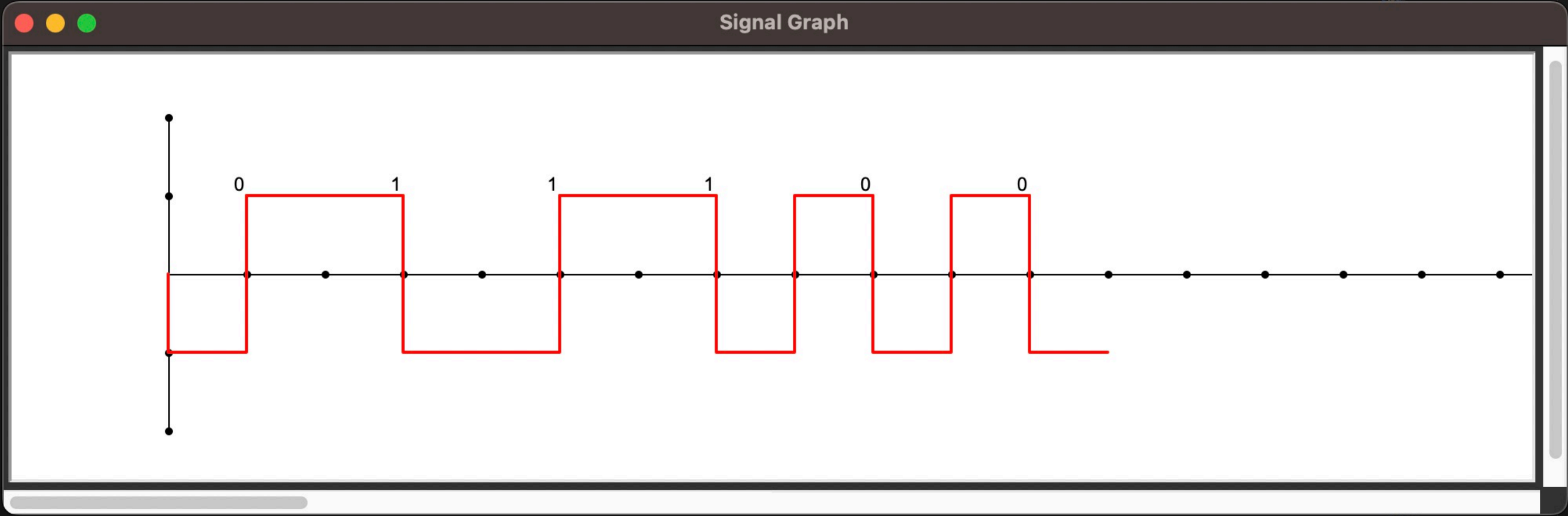
Encode in format:
a. AMI(Without Scrambling)
b. B8ZS
c. HDB3

c
Entered Input : 0000000011
longest Palindrome: 000000000
█

DC Encoding Assignment.py

Users > im_zshan > Desktop > DC Encoding Assignment > DC Encoding Assignment.py > longestPalindrome

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PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

```
3. Completely Manual input
1
Enter the length of string: 6

Encode in format:
1. NRZ-I
2. NRZ-L
3. Manchester
4. Diff Manchester
5. AMI

4
Entered Input : 011100
longest Palindrome: 01110
```

Code - im_zshan

