→ Sample Captures
→ Identifying packets.

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6- Hamming Code:

Receiver.py:

```
def Calc_parity_position(m):
    r=0
    While 2**r < m+r+1:
        r+=1
    return r
```

else:
print ("NO ERROR detected")
return (join Result)

Sender:
def text_to_binary (text);
return join (format for in text)
def cal-parity position (m);
r=0 while 2+r < m+r+1;
r+=1 return r.
def insert-purity bits data (r)
r= len (data)
Result ['0'] =(m+r)
j=0
for i in Range (1, len (Result+1)):
if (i-1) ≥0
j=1
continue
j+=1
for (Result)

result = list (data)
for i in range (r):
d = 2**i = 1
parity = 6
for j in Range (1, n+1):
return join (result)
def save to Channel (encoder data)
with open ("Channel.txt" "w") write
(encoder data)
def save write (len Encoder data)
text = input ("Enter text to send:")
encoder data = hamming encoder (text)
Save to Channel (encoder-date)
print ("encoder data save to "channel
.txt": {encoder data}")

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o/p Channel.txt
110111001000 110001010110001010
110001101110000110010010011000001
000110011011100111001110110