CS359 - Computer Network Lab

Lab 7

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1. CRC:

Compilation: g++ crc.cpp -o crc

Run: ./crc

Output:

```
PS C:\Users\Tarusi Mittal\desktop\Assignment7> g++ crc.cpp -o crc
PS C:\Users\Tarusi Mittal\desktop\Assignment7> ./crc
Enter Frame size: 6
Enter Frame:
1
0
1
0
1
0

Enter Generator size: 3

Enter Generator:
1
0
1

Sender Side:
Frame: 101010
Generator :101
Number of 0's to be appended: 2
Message after appending 0's :10101000
CRC bits: 10
Transmitted Frame: 10101010

Receiver side :
Received Frame: 10101010
Reaminder: 00
Since Remainder Is 0 Hence Message Transmitted From Sender To Receiver Is Correct
PS C:\Users\Tarusi Mittal\desktop\Assignment7> |
```

2. Hamming:

Compilation: g++ hamming.cpp -o hamming

Run: ./hamming

Output:

```
PS C:\Users\Tarusi Mittal\desktop\Assignment7> g++ hamming.cpp -o hamming
PS C:\Users\Tarusi Mittal\desktop\Assignment7> ./hamming
Enter the 4 bits of data one by one
1
0
1
1
The Encoded data is
1010101
Enter received data bits one by one
1
0
1
0
1
0
0

Error is on the postion:7
The Correct message is:1010101
```