

About the Program:

- 1) I am generating the data randomly and p bits are hardcoded (110101),
We can also pass any particular data and p as arguments if we want so.
Example - ./a.out 1001010101 10010
- 2) I am generating the errors randomly at some positions in range of [0,4] and then selecting these positions randomly in range of [0,len(frame)-1]
- 3) I am dividing the received data(after generating errors) by p and checking if it is 0, and printing "Successful" otherwise "Error..."

Instructions to run the program:

```
g++ assign2.cpp -o crc  
./crc
```

Output

The output will be printed over the terminal in the format:

Actual data:	The message which is to be sent
Codeword:	Message + CRC
Received Data:	After adding some errors
Error / Successful	If it will be accepted by the receiver or not