

Output

No Error

```
Enter code to be transmitted
1011101
Checksum(Remainder) : 101110100000000000000000
Current code(Generating polynomial) : 10001000000100001
Transmitted code(Codeword) : 1011101000101010110000
Enter the Code you recieved to check for errors
1011101000101010110000
No errors, Well done
```

Error

```
Enter code to be transmitted
1011101
Checksum(Remainder) : 101110100000000000000000
Current code(Generating polynomial) : 10001000000100001
Transmitted code(Codeword) : 1011101000101010110000
Enter the Code you recieved to check for errors
101
Error found, there has been a change in code sent and code transmitted
```