NETWORK LAB

HOTS QUESTION

CHECKSUM CODE

```
def strsummod(str):
        return sum([ord(x) for x in str])
def checksum256(str):
        return 255 - strsummod(str)%256
print("SENDER'S SIDE\n")
print("WELCOME TO Reserve_my_show.com\n")
n = int(input("Number of details of the client are: "))
print("\nEnter the details (using checksum function) : ")
strings = [input().strip() for i in range(n)]
strings = [i+chr(checksum256(i)) for i in strings]
print("\nString after the appending the checksum is:\n")
print(*strings, sep='\n')
print("\nRECIEVER SIDE\n")
if any([checksum256(i) for i in strings]) != 0:
        print("\nThe details received are incorrect. The packet is rejected\n")
else:
        print("\nThe details received are correct. The packet is accepted\n")
```

SCREENSHOT

```
SENDER'S SIDE
WELCOME TO Reserve_my_show.com
Number of details of the client are : 6
Enter the details (using checksum function) :
Dhruv Garg
Infinity war
INOX
05 Jan 2018 8 pm
A9, A10
String after the appending the checksum is:
Dhruv GargU
Infinity warK
INOXÁ
05 Jan 2018 8 pm!
A9, A10⊡
RECIEVER SIDE
The details received are correct. The packet is accepted
```

CRC CODE

SCREENSHOT

```
WELCOME TO Reserve_my_show.com

Number of details of the client are : 6
Dhruv Garg
Infinity War
INOX
05 Jan 2018 8pm
2
A9, A10
['Ohruv Garg', 'Infinity War', 'INOX', '05 Jan 2018 8pm', '2', 'A9, A10']

String after the appending the CRC is:
['1000100101', '1101000100', '1110010101', '1110101010', '110110001', '100000100', '100011110', '1110001101', '1110010101', '110010101', '1101100101', '1101010101', '1110100111', '1100001100', '111001011', '1100001101', '1110100111', '1110100111', '1110000110', '111010111', '1110000110', '111011111', '1110000110', '110111111', '1111000110', '110111111', '100000110', '110011111', '111000111', '111000110', '110011111', '1110000110', '11001111', '1110000110', '11001111', '1110000110', '11001111', '1110000110', '110000110', '11001111', '1110000110', '11001111', '1110000110', '11001111', '110000110', '11001110', '110000110', '110000110', '11001110', '110000110', '110000110', '110000110', '110000110', '110000110', '110000110', '110000110']
The details received are correct. The packet is accepted
```