

NAME: NERELLA VENKATA RADHAKRISHNA

ID: 190031187

TUTORIAL-2

In [2]:



```
bit = input("Enter bit stream:")
l = list(bit)
e = 1
for i in range(len(bit)):
    l[i] = int(l[i])
    if(l[i]!=1 and l[i]!=0):
        print("Incorrect bit stream (it should contain only 0 and 1)")
        e=0
        break
if e!=0:
    s = sum(l)
    if s%2==0:
        print("Odd parity = 1")
        print("Even parity = 0")
    else:
        print("Odd parity = 0")
        print("Even parity = 1")
```

Enter bit stream:1011101

Odd parity = 0

Even parity = 1