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THE EUR FORMAL INTO OPTIONS WINDOW FIELD
def stateQ0(inputstr):
    print("Q0->",end="")
    if(len(inputstr)<=0):</pre>
         print("String rejected")
    elif(inputstr[0] == '1'):
         stateQ1(inputstr[1:])
    elif(inputstr[0] == '0'):
         stateQ0(inputstr[1:])
#inside state Q1
def stateO1(inputstr):
    print("Q1->",end="")
    if (len (inputstr) <= 0):</pre>
         print("String rejected")
    elif(inputstr[0]=='0'):
         stateQ2(inputstr[1:])
    elif(inputstr[0]=='1'):
         stateQ1(inputstr[1:])
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#inside state 02
def stateQ2(inputstr):
    print("Q2->", end="")
    if (len (inputstr) <= 0):</pre>
        print("String rejected")
    elif(inputstr[0] == '1' and len(inputstr) >= 1):
        stateQ3(inputstr[1:])
    elif(inputstr[0] == '0'):
        stateQ0(inputstr[1:])
#Inside state 03
def stateQ3(inputstr):
    print("Q3->",end="")
    if (len (inputstr) == 0):
        print("String accepted")
    elif(inputstr[0]=='0'):
        stateQ2(inputstr[1:])
    elif(inputstr[0] == '1'):
        stateQ1(inputstr[1:])
```

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#Inside state 03
def stateQ3(inputstr):
    print("Q3->", end="")
    if (len (inputstr) == 0):
         print("String accepted")
    elif(inputstr[0] == '0'):
         stateO2(inputstr[1:])
    elif(inputstr[0] == '1'):
         stateQ1(inputstr[1:])
inputstr=input("Enter a string of 1 and 0:")
lenstr=len(inputstr)
print(lenstr)
if lenstr<3:
    print("Enter a string of atleast 3 numbers")
else:
    print("Transition of State:")
    #call state Q0
    stateQ0(inputstr)
 Enter a string of 1 and 0:101
 Transition of State:
 Q0 \rightarrow Q1 \rightarrow Q2 \rightarrow Q3 \rightarrow String accepted
> 101111111
 101111111
 Enter a string of 1 and 0:101111111
 Transition of State:
 Q0->Q1->Q2->Q3->Q1->Q1->Q1->Q1->Q1->Q1->String rejected
```