Tutorial -1

**Construct DFAs for the following languages.**

1. ∑ = {a,b}. DFA to accept strings with substring “aba”. aba aaba baba bbbbbbababb
2. ∑ = {0,1}. DFA to accept strings ending with “01”. 0001 1101 101010101
3. ∑ = {0,1}. DFA to accept strings beginning with “0” and ending with “1”. 00011 000001 010101
4. if (x < 50)

print(“Hi”)

else

print(“Hello”)

Demonstrate the working of above code snippet with DFA.