Formal Languages and automata: DFA Sample problems
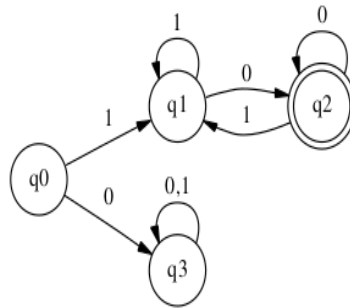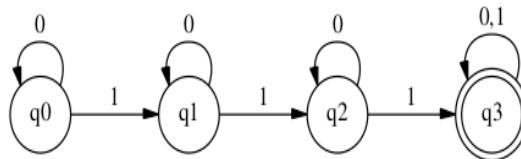
Give state diagrams of DFAs recognizing the following languages. In all cases the alphabet is {0,1}.

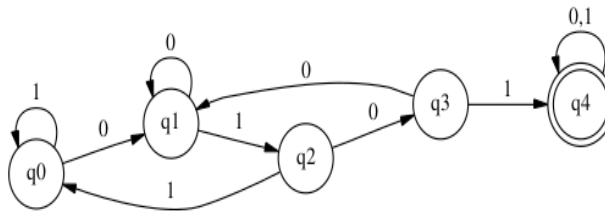1. $\{w|w$ begins with a 1 and ends with a 0$\}$.

2. $\{w|w$ contains at least three 1s$\}$.

3. $\{w|w$ contains the substring 0101, i.e., $w = x0101y$ for some x and $y\}$.

4. $\{w|w$ has length at least 3 and its third symbol is a 0$\}$.