**Assignment-1**

**Automata and compiler design lab**

1. Write a program to check whether the string is keyword or not.
2. Write a program to check whether the string is constant or not.
3. Write a program to check whether the string is palindrome or not.
4. Consider the strings on {0,1}defined by the requirements below. For each, construct an accepting dfa.
5. Construct the dfa,s that accept the strings 0001, 01001, 0000110
6. Every 00 is followed immediately by a 1. For example, the strings 101, 0010,0010011001 are in language, but 0001 and 00100 are not
7. All strings containing 00 but not 000.
8. All strings in which the leftmost two symbols and the rightmost two symbols are identical.