

```
C:\AyushSR\lab1.exe
Enter input string : 1001
DFA accepts the string : 1001
```

```
C:\AyushSR\lab1.exe
Enter input string : 1010
DFA rejects the string : 1010
```

```
C:\AyushSR\lab2.exe
Enter input string : abb
DFA accepts the string : abb
```

```
C:\AyushSR\lab2.exe
Enter input string : baa
DFA rejects the string : baa
```

```
C:\AyushSR\lab3.exe
Enter input string : 10
DFA accepts the string : 10
```

```
C:\AyushSR\lab3.exe
Enter input string : 11
DFA rejects the string : 11
```

```
C:\AyushSR\lab4.exe
Enter a binary string: 1001
Accepted (input is 1001)
```

```
C:\AyushSR\lab4.exe
Enter a binary string: 1010
Rejected (input is not 1001)
```

```
C:\AyushSR\lab5.exe
Enter a binary string: 111
Accepted (odd number of 1s)
```

```
C:\AyushSR\lab5.exe
Enter a binary string: 10001
Rejected (even number of 1s)
```

```
C:\AyushSR\lab6.exe
DFA Transition Table:
State   On 0   On 1
q0      -    q1
q1      q2    -
q2      q3    -
q3      -    q4
q4      -    -
Final DFA States: q4
```

```
C:\AyushSR\lab7.exe
Enter string: ababa
Accepted (true)
```

```
C:\AyushSR\lab7.exe
Enter string: ababb
Rejected (false)
```

```
C:\AyushSR\lab8.exe
Enter string: aabbaa
Accepted (true)
```

```
C:\AyushSR\lab8.exe
Enter string: ababa
Rejected (false)
```