

## Outputs

### Lab 1

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS E:\Sarfranj\4th SEMESTER\Theory of Computation> cd "e:\Sa
; if ($?) { .\Lab12 }
● Accepted
```

### Lab 2

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS E:\Sarfranj\4th SEMESTER\Theory of Computation> cd
; if ($?) { .\Lab13 }
● ACCEPTED
```

### Lab 3

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS E:\Sarfranj\4th SEMESTER\Theory of Computation> cd "
; if ($?) { .\Lab14 }
● Enter the string to be checked: 01

String is accepted
```

### Lab 4

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS E:\Sarfranj\4th SEMESTER\Theory of Computation> cd "e:\Sa
; if ($?) { .\Lab15 }
● Enter a string of 0s and 1s: 0011
Input rejected
● PS E:\Sarfranj\4th SEMESTER\Theory of Computation> cd "e:\Sa
; if ($?) { .\Lab15 }
Enter a string of 0s and 1s: 01
Input accepted
```

## Lab 5

```
PS E:\Sarfracj\4th SEMESTER\Theory of Computation> cd "e"
; if ($?) { .\Lab16 }
• Enter a string of 0s and 1s: 110
Input accepted
• PS E:\Sarfracj\4th SEMESTER\Theory of Computation> cd "e"
; if ($?) { .\Lab16 }
Enter a string of 0s and 1s: 0
Input accepted
```

## Lab 6

```
• PS E:\Sarfracj\4th SEMESTER\Theory of Computation> cd "e:\Sarfracj"
; if ($?) { .\Lab17 }
Enter number of nodes: 3
edge node ...):
1 0 2 0 1 1 2
2 0 2 0 2 1 3
3 1 1 0 3

===== INPUT DONE =====

Accepted strings by NFA:
11
011
101
110
0011
0101
0110
1001
1010
1100
```

## Lab 7

```
• PS E:\Sarfracj\4th SEMESTER\Theory of Computation> cd "e"
; if ($?) { .\Lab18 }
Building NFA for regex a*

Enter the string to test: aaa

String Is Accepted
```

## Lab 8

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

○ PS E:\Sarfraj\4th SEMESTER\Theory of Computation> cd "e:\Sarfr

Follow zero-based indexing for states.
Enter the number of states: 2
Enter number of final states: 1
Enter final states: 1
Enter number of NFA transitions: 4
Enter transitions as: initial_state input_symbol final_state
0 0 0
0 1 1
1 0 0
1 1 1
Enter initial state: 0

Solving according to DFA

The total number of distinct DFA states are:
STATE  0  1
q0  1  2
q1  1  2

Enter string to test (0 and 1 only): 11
String path: 1-2-2-
Final state: 2
String Accepted
```