```
PS D:\TOC> cd "d:\TOC\" ; if ($?) { g++ detect_and_print_all_validtoken_inC.cpp -o detect_and_print_
all_validtoken_inC } ; if ($?) { .\detect_and_print_all_validtoken_inC }
Enter a C program statement: int main() { return 0; }
Token: int
Token: main
Token: return
Token: 0
PS D:\TOC>
```

```
PS D:\TOC> cd "d:\TOC\" ; if ($?) { g++ dfa_accepting_valid_c_identifiers.cpp -o dfa_accepting_valid_c_identifiers } ; if ($?) { .\dfa_accepting_valid_c_identifiers } 
Enter an identifier: my_variable123
Valid C identifier
PS D:\TOC>
```

```
PS D:\TOC> cd "d:\TOC\" ; if ($?) { g++ dfa_ending_11.cpp -0 dfa_ending_11 } ; if ($?) { .\dfa_endin
g_11 }
Enter any string of 0 and 1 :
1001111
Move(0,1)=1
Move(1,0)=0
Move(0,0)=0
Move(0,1)=1
Move(1,1)=2
Move(2,1)=2
Move(2,1)=2
STRING ACCEPTED
Enter any string of 0 and 1 :
1000
Move(2,1)=2
Move(2,0)=0
Move(0,0)=0
Move(0,0)=0
STRING NOT ACCEPTED
```

```
PS D:\TOC> cd "d:\TOC\" ; if (\$?) { g++ dfa_starting_aa.cpp -0 dfa_starting_aa } ; if (\$?) { .\dfa_s
tarting_aa }
Enter any string of 'a' and 'b':
aabba
Move(0,a)=1
Move(1,a)=2
Move(2,b)=2
Move(2,b)=2
Move(2,a)=2
STRING ACCEPTED
Enter any string of 'a' and 'b':
Move(0,a)=1
Move(1,b)=3
Move(3,a)=3
Move(3,b)=3
Move(3,a)=3
Move(3,b)=3
STRING NOT ACCEPTED
```

```
PS D:\TOC> cd "d:\TOC\" ; if ($?) { g++ dfa_with_aba_as_substring.cpp -o dfa_with_aba_as_substring } ; if ($?) { .\dfa_with_aba_as_substring } Enter any string of 'a' and 'b': abababa String Accepted

Enter any string of 'a' and 'b': aaaaaaa Stiring not Accepted
```

```
PS D:\TOC> cd "d:\TOC\" ; if ($?) { g++ dfa_with_two_consecutive_1.cpp -o dfa_with_two_consecutive_1
}; if ($?) { .\dfa_with_two_consecutive_1 }
Enter any string of 0 and 1 :
011001
Move(0,0)=0
Move(0,1)=1
Move(1,1)=2
Move(2,0)=2
Move(2,0)=2
Move(2,1)=2
STRING ACCEPTED
PS D:\TOC>
PS D:\TOC> cd "d:\TOC\" ; if ($?) { g++ dfa_with_two_consecutive_1.cpp -0 dfa_with_two_consecutive_1
}; if ($?) { .\dfa_with_two_consecutive_1 }
Enter any string of 0 and 1 :
010101001
Move(0,0)=0
Move(0,1)=1
Move(1,0)=0
Move(0,1)=1
Move(1,0)=0
Move(0,1)=1
Move(1,0)=0
Move(0,0)=0
Move(0,1)=1
STRING NOT ACCEPTED
PS D:\TOC>
```

```
PS D:\TOC> cd "d:\TOC\" ; if ($?) { g++ nfa_starting_with_11.cpp -o nfa_starting_with_11 } ; if ($?) { .\nfa_starting_with_11 } Enter any string of 0s and 1s:
1100
STRING ACCEPTED
PS D:\TOC>  

PS D:\TOC> cd "d:\TOC\" ; if ($?) { g++ nfa_starting_with_11.cpp -o nfa_starting_with_11 } ; if ($?) { .\nfa_starting_with_11 } Enter any string of 0s and 1s:
0011
STRING NOT ACCEPTED
PS D:\TOC>  

PS D:\TOC>  

### nfa_starting_with_11 | ### nfa_starting_with_11.cpp -o nfa_starting_with_11 | ### nfa_starting_wi
```

```
PS D:\TOC> cd "d:\TOC\" ; if ($?) { g++ regular expression_identifying_phoneno.cpp -o regular expression_identifying_phoneno } ; if ($?) { .\regular expression_identifying_phoneno } Enter a phone number: 9823666666  
Valid phone number detected!
PS D:\TOC>  

PS D:\TOC> cd "d:\TOC\" ; if ($?) { g++ regular expression_identifying_phoneno.cpp -o regular expression_identifying_phoneno } ; if ($?) { .\regular expression_identifying_phoneno }  
Enter a phone number: 99334455  
Not a valid phone number: 99334455  
Not a valid phone number!
PS D:\TOC>  

PS D:\TOC> cd "d:\TOC\" ; if ($?) { g++ regular expression_identifying_phoneno.cpp -o regular expression_identifying_phoneno } ; if ($?) { .\regular expression_identifying_phoneno }  
Enter a phone number: 9735362512  
Valid phone number detected!
PS D:\TOC>
```