

THE COMPANY ABC RUNS WITH EMPLOYEES WITH SEVERAL DEPARTMENTS. THE ORGANIZATION MANAGER HAD ALL THE MOBILE NUMBERS OF EMPLOYEES. ASSUME THAT YOU ARE THE MANAGER AND NEED TO VERIFY THE VALID MOBILE NUMBERS BECAUSE THERE MAY BE SOME INVALID NUMBERS PRESENT. IMPLEMENT A LEX PROGRAM TO CHECK WHETHER THE MOBILE NUMBER IS VALID OR NOT.

```
%{  
  
#include<stdio.h>  
  
%}  
  
%%  
  
[0-9]{10} { printf("Valid mobile number\n"); }  
.  
    { printf("Invalid mobile number\n"); }  
  
%%  
  
int main(void)  
{  
    yylex();  
    return 0;  
}  
  
int yywrap(void)  
{  
    return 1;  
}
```

A screenshot of a Windows Command Prompt window titled "C:\Windows\System32\cmd.exe". The window shows the following text:

```
Microsoft Windows [Version 10.0.22621.1194]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\hesan\Desktop\compiler design\day 3\mobile number>a  
9442833556  
Valid mobile number  
  
98465454  
Invalid mobile number  
Invalid mobile number  
Invalid mobile number  
Invalid mobile number  
Invalid mobile number  
Invalid mobile number  
Invalid mobile number  
Invalid mobile number
```

The output indicates that the first number, 9442833556, is valid, while the subsequent numbers are invalid.