



## Faculty of Technology and Engineering

### Computer Science and Engineering

#### Practical

Academic Year	:	2025-26	Semester	:	6
Course code	:	CSE312	Course name	:	Design of language processing

#### Practical - 4

##### Aim:

1. **Objective 1:** Write a program to identify and extract all numbers from input string and display them one by one in new line.

##### 2. Program (Code)

```
%{
#include <stdio.h>

%}

%%

[0-9]+ { printf("%s\n", yytext); }
.      { /* Ignore non-digit characters */ }
\n     { return 0; }

%%

int yywrap() {
    return 1;
}

int main() {
    // printf("Enter a string (mix of text and numbers):\n");
    yylex();
    return 0;
}
```

## 3. Output (Screen Shot)

```
debdootmanna@Mac.mshome.net ~ > College > Sem 6 by college > DLP > 4 > main
> echo "a1b22c3" | ./objective1
1
22
3
debdootmanna@Mac.mshome.net ~ > College > Sem 6 by college > DLP > 4 > main
> echo "power operation -> 12 ** 3 = 1728" | ./objective1
12
3
1728
debdootmanna@Mac.mshome.net ~ > College > Sem 6 by college > DLP > 4 > main
> echo "You multiply 804569 with 1 then will be :" | ./objective1
804569
1
```