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PS C:\Users\Az\Desktop\cdc\lab-8> flex .\lab-8.1
• PS C:\Users\Az\Desktop\cdc\lab-8> gcc .\lex.yy.c
• PS C:\Users\Az\Desktop\cdc\lab-8> .\a.exe
○ Arjun Dahal
  void: keyword
  main: keyword

  int: keyword
• a: id
  =: operator
  5: number

```

```

Arjun Dahal
Enter input string: int
Identifier: int

```

```

Arjun Dahal
Enter input string: void
void: Identifier

```

```

PS C:\Users\Az\Desktop\cdc\lab-11> flex .\calc.l
• PS C:\Users\Az\Desktop\cdc\lab-11> bison -d calc.y
• PS C:\Users\Az\Desktop\cdc\lab-11> gcc -o calculator calc.tab.c lex.yy.c -lm
• PS C:\Users\Az\Desktop\cdc\lab-11> .\calculator.exe
• 5*5=
Result: 25

```

```

C:\Users\Az\Desktop\Untitled X + - □ ×
Enter the number of productions: 3
Enter grammar productions (e.g., S -> Ab):
S -> Aba
S -> aAA
B -> bB
Enter the start symbol: S

FIRST sets:
S: a
B: b

FOLLOW sets:
A: $ b
S: $

-----
Process exited after 42.39 seconds with return value 0
Press any key to continue . . .

```

```
C:\Users\Az\Desktop\Untitled X + v
Enter an expression : ( a + b ) * ( a - c )

Intermediate Code : ( a + b ) * ( a - c )
t1 = a + b
t2 = a - c
t3 = t1 * t2

-----
Process exited after 14.72 seconds with return value 0
Press any key to continue . . . |
```

```
C:\Users\Az\Desktop\Untitled X + v
Enter an expression : (a +b)* (a-b)

Intermediate Code :
(a +b)* (a-b)
t1 = a + b
t2 = a - b
t3 = t1 * t2

Machine Code :

LOAD R1, a
LOAD R2, b
ADD R1, R1, R2
STORE t1, R1
LOAD R3, a
LOAD R4, b
SUB R3, R3, R4
STORE t2, R3
LOAD R5, t1
LOAD R6, t2
MUL R5, R5, R6
STORE t3, R5

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Process exited after 12.74 seconds with return value 0
Press any key to continue . . .
```