

## EXPERIMENT 14

### AIM

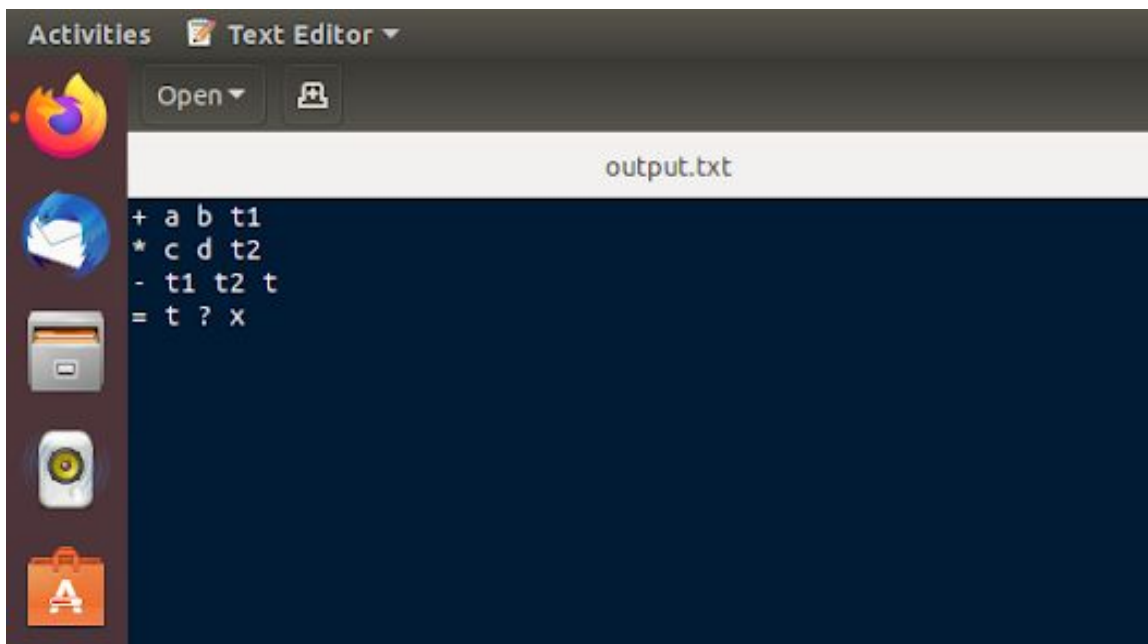
To implement intermediate code generation for simple expressions.

### ALGORITHM

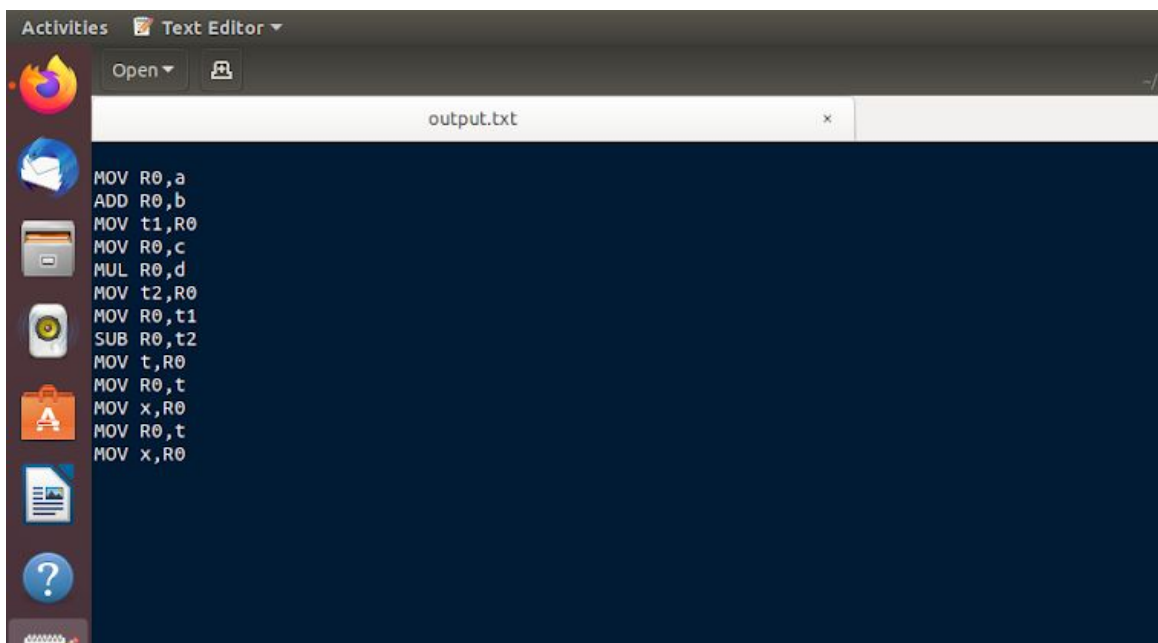
1. Start
2. Open the input file in read mode.
3. Open the output file in write mode.
4. In input file scan for operator, argument1, argument2 and result.
5. If the operator is '+'  
Move arg1 to R0  
Add arg2 and R0  
Move R0 to result
6. If the operator is '-'  
Move arg1 to R0  
Subtract arg2 and R0  
Move R0 to result
7. If the operator is '\*'  
Move arg1 to R0  
Multiply arg2 and R0  
Move R0 to result
8. If the operator is '/'  
Move arg1 to R0  
Divide arg2 and R0  
Move R0 to result
9. If the operator is '='  
Move arg1 to R0  
Move R0 to result
10. Close both the files.
11. Stop

### OUTPUT

```
gcc 11anaghasethu-p14.c  
./a.out
```



input.txt



output.txt