EXPERIMENT 13

AIM

Write a program to perform constant propagation.

ALGORITHM

1. Start
2. Construct a control flow graph (CFG).
3. Associate transfer functions with the edges of the CFG.
4. At every node (program point) we maintain the values of the program's variables at that point. We initialize those to $\perp$.
5. Iterate until the values of the variables stabilize.
6. Stop

OUTPUT

gcc 11anaghasethu-p13.c

./a.out