**PROGRAM 12:**

Write a C Program for code optimization to eliminate common subexpression.

CODE:-

#include <stdio.h>

int main() {

int a = 5, b = 10;

int c = a \* b;

int result1 = c + a;

int result2 = c – b;

printf("Result 1: %d\n", result1);

printf("Result 2: %d\n", result2);

return 0;

}

OUTPUT:-

