EXPERIMENT 12

AIM

To write a program to perform loop unrolling.

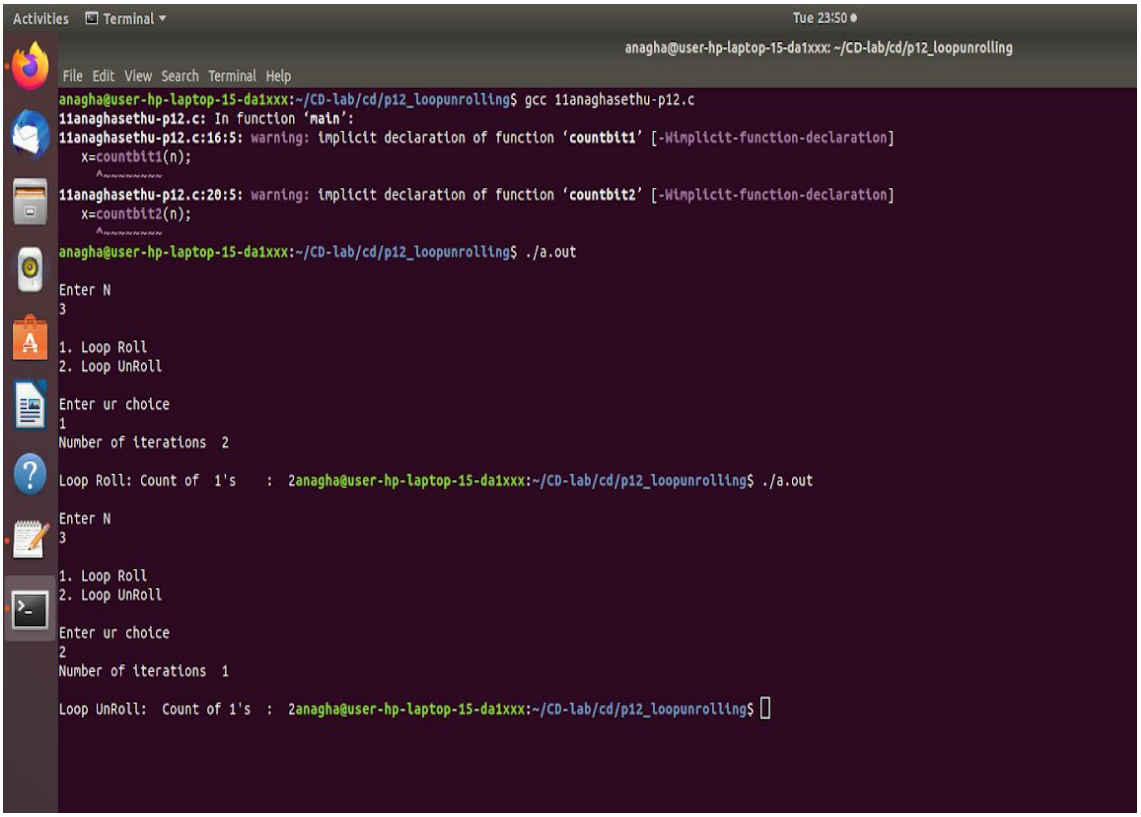
ALGORITHM

1. Start
2. Initialize value N
3. Initialize the count value.
4. If perform loop unrolling then,
    01. Perform each operation upto count.
5. Else, loop rolling,
    01. Check the condition
    02. Perform the operation
    03. Increment the count
6. Print the result.
7. Stop

OUTPUT

gcc 11anaghasethu-p12.c

./a.out



OUTPUT:
./a.out

Enter N
3

1. Loop Roll
2. Loop UnRoll

Enter ur choice
1
Number of iterations 2

Loop Roll: Count of 1's   :
2anagha@user-hp-laptop-15-da1xxx:~/CD-lab/cd/p12_loopunrolling$ ./a.out

Enter N
3

1. Loop Roll
2. Loop UnRoll

Enter ur choice
2
Number of iterations 1

Loop UnRoll: Count of 1's : 2