Coding Assignments: Code Optimization

Opti-Question-1

Given Code and TAC

Write program to identify : Leader Statement

Generate : Program Flow Graph

Opti-Question-2

Given Program Flow Graph

Write program to : Find out Dominators

Generate : Back Edges

Opti-Question – 3

Given Program Flow Graph

Write a program to perform IN-OUT Analysis

Opti-Question – 4

Given program flow graph

Write program to find out LIVE VARIABLE at start and end of each block

Opti-Question – 5

Given TAC

Write a program to find out number of registers required for execution

Opti-Question – 6

Given TAC and DAG

Write a program to implement heuristic code generation algorithm