Chapter 7: Code Generation

1. Explain code generation using DAG
2. List different issues in design of code generator. What is next use information? Calculate next uses for 3-address statement x=y OP z(where OP is operator)
3. Explain algorithm for determining liveness & next use information for each statement in basic block
4. Explain target program in detail
5. Write a short note on flow graphs
6. Explain how to obtain target code from code from DAG representation of basic block with example
7. Explain different issues in design of code generator
8. Write a short note on instruction cost in code generation
9. Explain simple code generation algorithm with example