#1: What are “code optimizations”?

#2: What are “static code optimizations”? Who perform “static code optimization”?

#3: What are “dynamic code optimizations”? Who perform “dynamic code optimization”?

#4: What are the primary advantages and disadvantages of “static code optimizations”?

#5: What are the primary advantages and disadvantages of “dynamic code optimizations”?

#6: What type of code optimization (dynamic or static) is “forwarding”?

#7: What type of code optimization (dynamic or static) is “code optimizations by compilers”?

#8: What type of code optimization (dynamic or static) is “delayed branch”?

#9: Why do not most of the existing compilers automatically set “optimize for fast binary executable”? Mention two major reasons.

#10: Dynamic code optimizations usually perform relatively simple optimization algorithms. Why?

#11: What are the major weakness(es) in “delayed branch”? 

Note: This is NOT the question list for Quiz #3. Quiz #3 question list will be e-mailed to each of you later.