

Lena's Reversing for Newbies

SCP 20학번 박준형

목차

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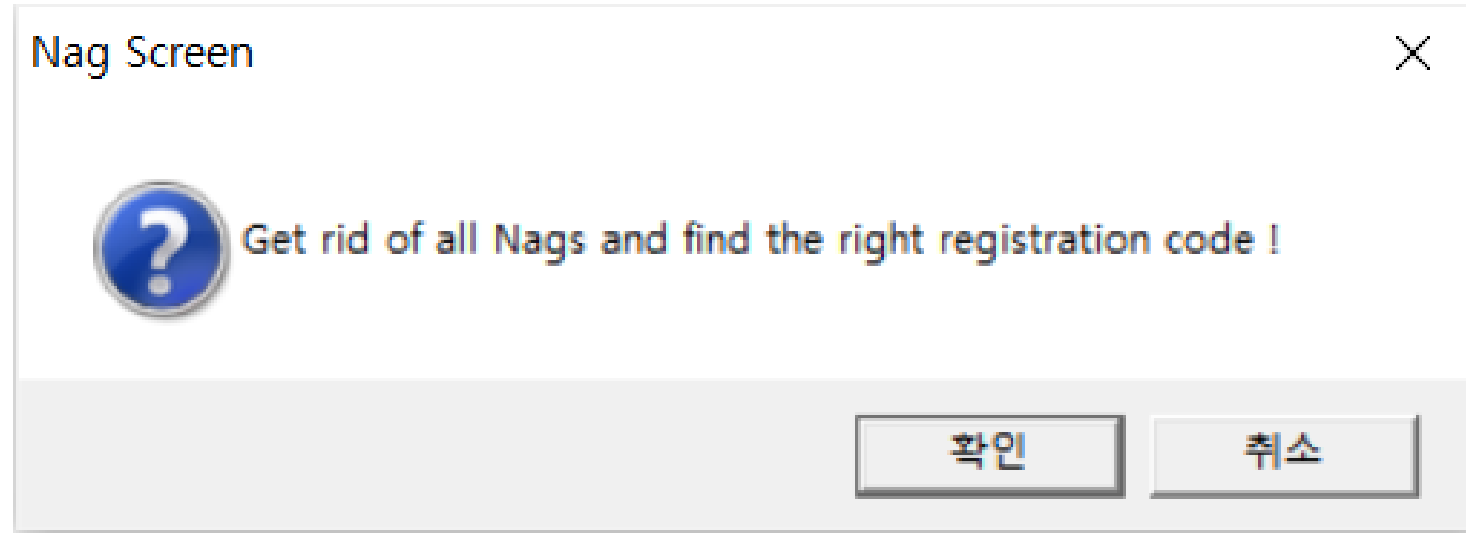
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프로그램 목표 찾기

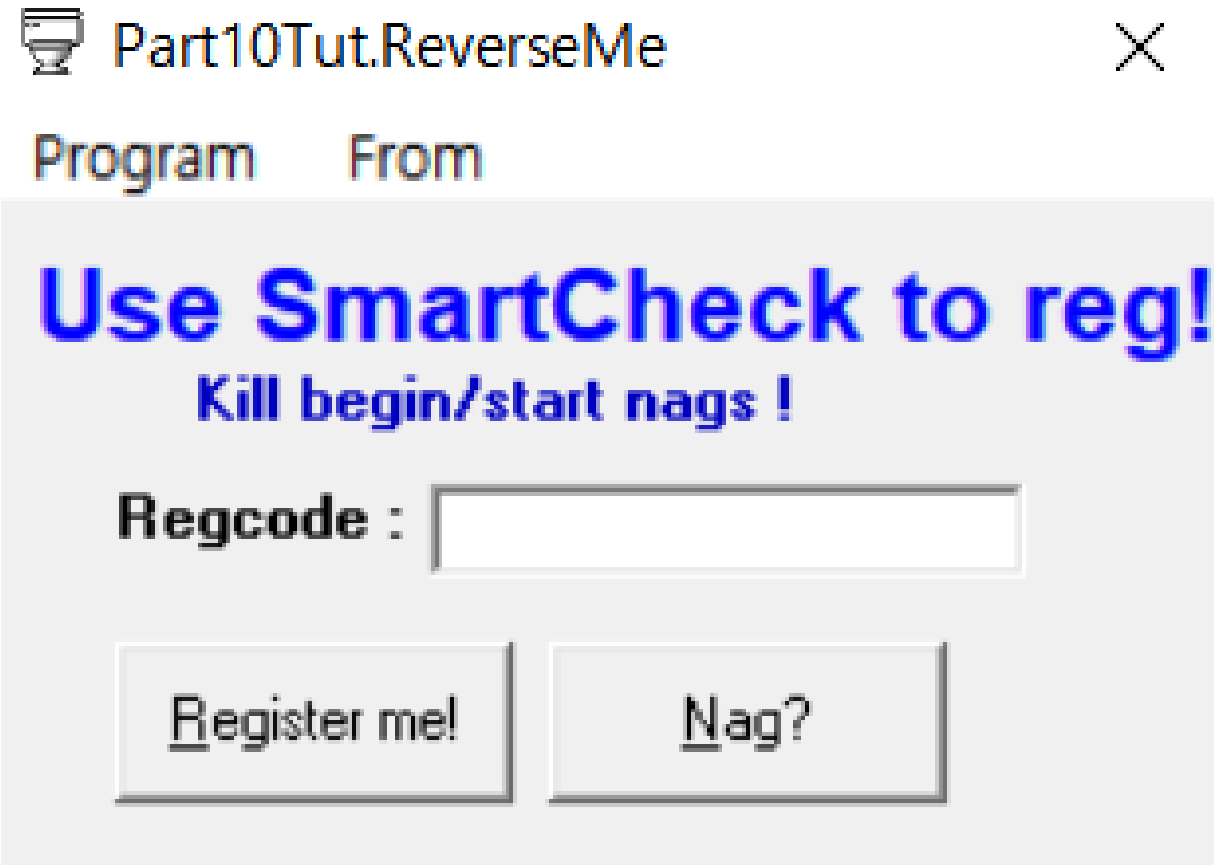
Part 1 프로그램 목표 찾기



(목표)

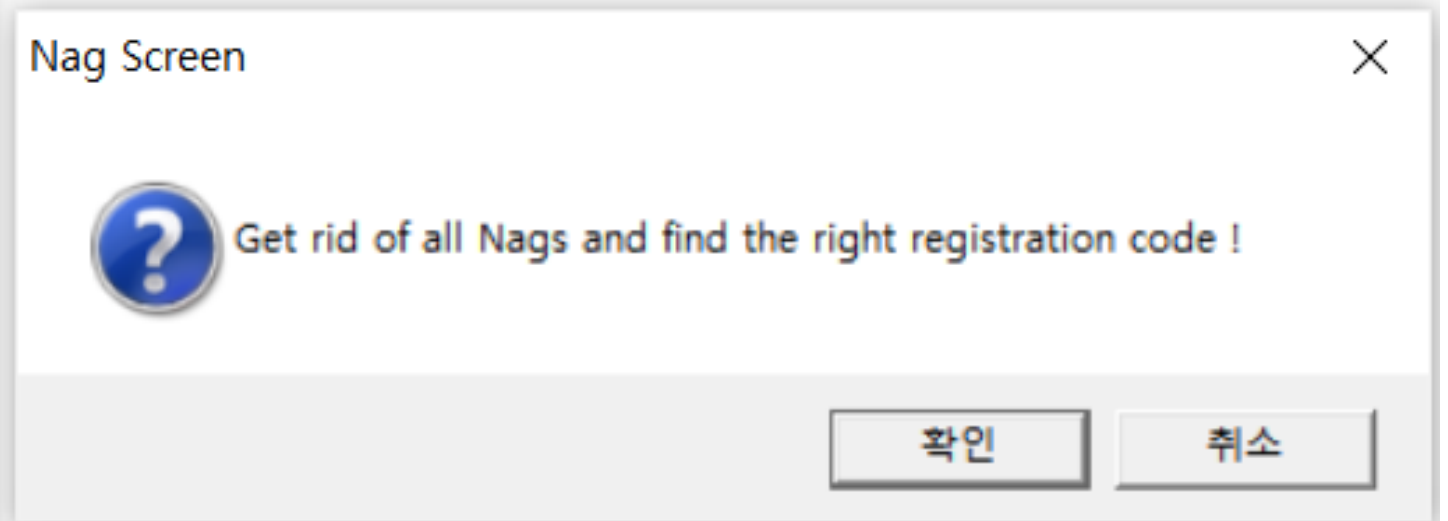
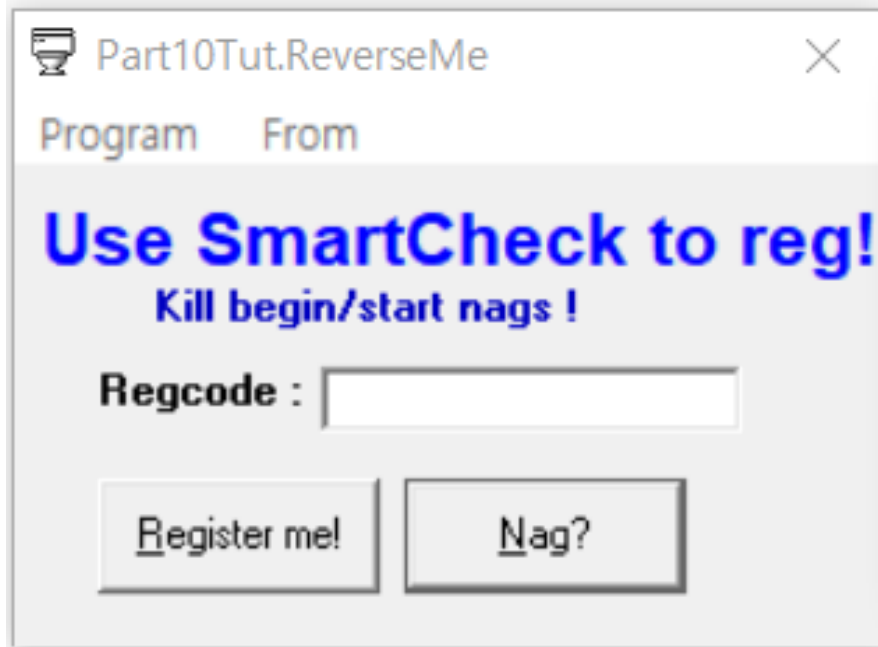
- 모든 성가신 Nags(잔소리)를 없애라
- registration code(등록 코드)를 찾아라

Part 1 프로그램 목표 찾기



목표(1) - 메시지 박스 제거

Part 2 목표(1) - 메시지 박스 제거



Part 2 목표(1) - 메시지 박스 제거

00401138	\$-FF25 84514000	JMP DWORD PTR DS:[<&MSVBVM50. __vbaFreeStr	MSVBVM50. __vbaFreeStr
0040113E	\$-FF25 FC504000	JMP DWORD PTR DS:[<&MSVBVM50. __vbaHresu	MSVBVM50. __vbaHresultCheckObj
00401144	\$-FF25 08514000	JMP DWORD PTR DS:[<&MSVBVM50. __vbaObjSet	MSVBVM50. __vbaObjSet
0040114A	\$-FF25 24514000	JMP DWORD PTR DS:[<&MSVBVM50. __vbaStrCmp	MSVBVM50. __vbaStrCmp
00401150	.-FF25 3C514000	JMP DWORD PTR DS:[<&MSVBVM50. EVENT_SINK	MSVBVM50. EVENT_SINK_QueryInterface
00401156	.-FF25 20514000	JMP DWORD PTR DS:[<&MSVBVM50. EVENT_SINK	MSVBVM50. EVENT_SINK_AddRef
0040115C	.-FF25 34514000	JMP DWORD PTR DS:[<&MSVBVM50. EVENT_SINK	MSVBVM50. EVENT_SINK_Release
00401162	\$-FF25 64514000	JMP DWORD PTR DS:[<&MSVBVM50. #100>]	MSVBVM50. ThunRTMain
00401168	\$ 68 B8184000	PUSH Tut Reve.004018B8	
0040116D	. E8 F0FFFFFF	CALL <JMP.&MSVBVM50. #100>	
00401172	. 0000	ADD BYTE PTR DS:[EAX],AL	
00401174	. 0000	ADD BYTE PTR DS:[EAX],AL	
00401176	. 0000	ADD BYTE PTR DS:[EAX],AL	
00401178	. 3000	XOR BYTE PTR DS:[EAX],AL	
0040117A	. 0000	ADD BYTE PTR DS:[EAX],AL	
0040117C	. 40	INC EAX	
0040117D	. 0000	ADD BYTE PTR DS:[EAX],AL	
0040117F	. 0000	ADD BYTE PTR DS:[EAX],AL	
00401181	. 0000	ADD BYTE PTR DS:[EAX],AL	
00401183	. 003F	ADD BYTE PTR DS:[EDI],BH	
00401185	. 186A 8B	SBB BYTE PTR DS:[EDX-75],CH	
00401188	. 9E	SAHF	
00401189	. C3	RETN	
0040118A	. D2	DB D2	
0040118B	. 11	DB 11	
0040118C	. 80	DB 80	
0040118D	. E1	DB E1	
0040118E	. 00	DB 00	
0040118F	. 80	DB 80	
00401190	. 48	DB 48	CHAR 'H'
00401191	. 5C	DB 5C	

Part 2 목표(1) - 메시지 박스 제거

Backup >
Copy >
Binary >
Assemble Space
Label :
Comment ;
Breakpoint >
Hit trace >
Run trace >

Follow Enter
New origin here Ctrl+Gray *
Go to >
Thread >
Follow in Dump >
View call tree Ctrl+K

Search for >
Find references to >
View >
Copy to executable >
Analysis >
Appearance >

0000 JMP DWORD PTR DS:[&M...]
0000 JMP DWORD PTR DS:[&M...]
0000 JMP DWORD PTR DS:[&M...]
0000 JMP DWORD PTR DS:[&M...]
0000 JMP DWORD PTR DS:[&M...]
0000 JMP DWORD PTR DS:[&M...]
0000 PUSH T... Reverse...
CALL <JMP...>
ADD BYTE PTR DS:[EAX],
ADD BYTE PTR DS:[EAX],
XOR BYTE PTR DS:[EAX],
ADD BYTE PTR DS:[EAX],
INC EAX
ADD BYTE PTR DS:[EAX],
ADD BYTE PTR DS:[EAX],
ADD BYTE PTR DS:[EAX],
SBB BYTE PTR DS:[EDX],
SAHF

Name (label) in current module Ctrl+N
Name in all modules

Command Ctrl+F
Sequence of commands Ctrl+S
Constant
Binary string Ctrl+B

All intermodular calls
All commands
All sequences
All constants
All switches
All referenced text strings

User-defined label
User-defined comment

cal call from <Module

dress	Value	ASCI
404000	00000000
404004	00000000
404008	00000000
40400C	00000000
404010	00000000
404014	00000000
404018	00000000

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Part 2 목표(1) - 메시지 박스 제거

R Found intermodular calls		
Address	Disassembly	Destination
00401162	JMP DWORD PTR DS:[<&MSVBVM50.#100>]	(Initial CPU selection)
00402977	CALL <JMP.&MSVBVM50.#595>	MSVBVM50.rtcMsgBox
00402AE8	CALL <JMP.&MSVBVM50.#595>	MSVBVM50.rtcMsgBox
00402CFE	CALL <JMP.&MSVBVM50.#595>	MSVBVM50.rtcMsgBox
00402E4C	CALL <JMP.&MSVBVM50.#595>	MSVBVM50.rtcMsgBox
0040116D	CALL <JMP.&MSVBVM50.#100>	MSVBVM50.InunkIMain
004029D5	CALL <JMP.&MSVBVM50.__vbaEnd>	MSVBVM50.__vbaEnd
00402B42	CALL <JMP.&MSVBVM50.__vbaEnd>	MSVBVM50.__vbaEnd
00402BF1	CALL <JMP.&MSVBVM50.__vbaEnd>	MSVBVM50.__vbaEnd
00402D55	CALL <JMP.&MSVBVM50.__vbaEnd>	MSVBVM50.__vbaEnd
00402EEC	CALL <JMP.&MSVBVM50.__vbaEnd>	MSVBVM50.__vbaEnd
004028DB	CALL <JMP.&MSVBVM50.__vbaFreeObj>	MSVBVM50.__vbaFreeObj
00402A4D	CALL <JMP.&MSVBVM50.__vbaFreeObj>	MSVBVM50.__vbaFreeObj
00402B5D	CALL <JMP.&MSVBVM50.__vbaFreeObj>	MSVBVM50.__vbaFreeObj
00402F7D	CALL <JMP.&MSVBVM50.__vbaFreeObj>	MSVBVM50.__vbaFreeObj
00402FB6	CALL <JMP.&MSVBVM50.__vbaFreeObj>	MSVBVM50.__vbaFreeObj
00403042	CALL <JMP.&MSVBVM50.__vbaFreeObj>	MSVBVM50.__vbaFreeObj
0040307C	CALL <JMP.&MSVBVM50.__vbaFreeObj>	MSVBVM50.__vbaFreeObj
004028D3	CALL <JMP.&MSVBVM50.__vbaFreeStr>	MSVBVM50.__vbaFreeStr
00402A45	CALL <JMP.&MSVBVM50.__vbaFreeStr>	MSVBVM50.__vbaFreeStr
00402B55	CALL <JMP.&MSVBVM50.__vbaFreeStr>	MSVBVM50.__vbaFreeStr
00402B78	CALL <JMP.&MSVBVM50.__vbaFreeVar>	MSVBVM50.__vbaFreeVar
00402B80	CALL <JMP.&MSVBVM50.__vbaFreeVar>	MSVBVM50.__vbaFreeVar
00402B88	CALL <JMP.&MSVBVM50.__vbaFreeVar>	MSVBVM50.__vbaFreeVar
00402D7A	CALL <JMP.&MSVBVM50.__vbaFreeVar>	MSVBVM50.__vbaFreeVar
00402D82	CALL <JMP.&MSVBVM50.__vbaFreeVar>	MSVBVM50.__vbaFreeVar
00402D8A	CALL <JMP.&MSVBVM50.__vbaFreeVar>	MSVBVM50.__vbaFreeVar
004029A0	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFreeVarList
00402B11	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFreeVarList
00402B6C	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFreeVarList
00402D27	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFreeVarList
00402D6E	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFreeVarList
00402E63	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFreeVarList
00402E87	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFreeVarList
004028B5	CALL <JMP.&MSVBVM50.__vbaHresultCheckObj>	MSVBVM50.__vbaHresultCheckObj
00402A22	CALL <JMP.&MSVBVM50.__vbaHresultCheckObj>	MSVBVM50.__vbaHresultCheckObj
00402F75	CALL <JMP.&MSVBVM50.__vbaHresultCheckObj>	MSVBVM50.__vbaHresultCheckObj
0040303A	CALL <JMP.&MSVBVM50.__vbaHresultCheckObj>	MSVBVM50.__vbaHresultCheckObj
0040296D	CALL <JMP.&MSVBVM50.__vbaI4Var>	MSVBVM50.__vbaI4Var
00402ADE	CALL <JMP.&MSVBVM50.__vbaI4Var>	MSVBVM50.__vbaI4Var

Part 2 목표(1) - 메시지 박스 제거

Found intermodular calls

Address	Disassembly	Destination
00401168	PUSH Tut_Reve.004018B8	(Initial CPU selection)
00402977	CALL <JMP.&MSVBVM50.#595>	MSVBVM50.rtcMsgB...
00402AE8	CALL <JMP.&MSVBVM50.#595>	MSVBVM50.rtcMsgB...
00402CFE	CALL <JMP.&MSVBVM50.#595>	MSVBVM50.rtcMsgB...
00402E4C	CALL <JMP.&MSVBVM50.#595>	MSVBVM50.rtcMsgB...
0040116D	CALL <JMP.&MSVBVM50.#100>	MSVBVM50.ThunRTM...
004029D5	CALL <JMP.&MSVBVM50.__vbaEnd>	MSVBVM50.__vbaEn...
00402B42	CALL <JMP.&MSVBVM50.__vbaEnd>	MSVBVM50.__vbaEn...
00402BF1	CALL <JMP.&MSVBVM50.__vbaEnd>	MSVBVM50.__vbaEn...
00402D55	CALL <JMP.&MSVBVM50.__vbaEnd>	MSVBVM50.__vbaEn...
00402EEC	CALL <JMP.&MSVBVM50.__vbaEnd>	MSVBVM50.__vbaEn...
004028DB	CALL <JMP.&MSVBVM50.__vbaFreeObj>	MSVBVM50.__vbaFr...
00402A4D	CALL <JMP.&MSVBVM50.__vbaFreeObj>	MSVBVM50.__vbaFr...
00402B5D	CALL <JMP.&MSVBVM50.__vbaFreeObj>	MSVBVM50.__vbaFr...
00402F7D	CALL <JMP.&MSVBVM50.__vbaFreeObj>	MSVBVM50.__vbaFr...
00402FB6	CALL <JMP.&MSVBVM50.__vbaFreeObj>	MSVBVM50.__vbaFr...
00403042	CALL <JMP.&MSVBVM50.__vbaFreeObj>	MSVBVM50.__vbaFr...
0040307C	CALL <JMP.&MSVBVM50.__vbaFreeObj>	MSVBVM50.__vbaFr...
004028D3	CALL <JMP.&MSVBVM50.__vbaFreeStr>	MSVBVM50.__vbaFr...
00402A45	CALL <JMP.&MSVBVM50.__vbaFreeStr>	MSVBVM50.__vbaFr...
00402B55	CALL <JMP.&MSVBVM50.__vbaFreeStr>	MSVBVM50.__vbaFr...
00402B78	CALL <JMP.&MSVBVM50.__vbaFreeVar>	MSVBVM50.__vbaFr...
00402B80	CALL <JMP.&MSVBVM50.__vbaFreeVar>	MSVBVM50.__vbaFr...
00402B88	CALL <JMP.&MSVBVM50.__vbaFreeVar>	MSVBVM50.__vbaFr...
00402D7A	CALL <JMP.&MSVBVM50.__vbaFreeVar>	MSVBVM50.__vbaFr...
00402D82	CALL <JMP.&MSVBVM50.__vbaFreeVar>	MSVBVM50.__vbaFr...
00402D8A	CALL <JMP.&MSVBVM50.__vbaFreeVar>	MSVBVM50.__vbaFr...
004029A0	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFr...
00402B11	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFr...
00402B6C	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFr...
00402D27	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFr...
00402D6E	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFr...
00402E63	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFr...
00402E87	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFr...
004028B5	CALL <JMP.&MSVBVM50.__vbaHresultCheckObj>	MSVBVM50.__vbaHr...
00402A22	CALL <JMP.&MSVBVM50.__vbaHresultCheckObj>	MSVBVM50.__vbaHr...
00402F75	CALL <JMP.&MSVBVM50.__vbaHresultCheckObj>	MSVBVM50.__vbaHr...
0040303A	CALL <JMP.&MSVBVM50.__vbaHresultCheckObj>	MSVBVM50.__vbaHr...
0040296D	CALL <JMP.&MSVBVM50.__vbaI4Var>	MSVBVM50.__vbaI4...
00402ADE	CALL <JMP.&MSVBVM50.__vbaI4Var>	MSVBVM50.__vbaI4...

- Follow in Disassembler Enter
- Toggle breakpoint F2
- Conditional breakpoint Shift+F2
- Conditional log breakpoint Shift+F4
- Set breakpoint on every call to rtcMsgBox
- Set log breakpoint on every call to rtcMsgBox
- Set breakpoint on every command
- Set log breakpoint on every command
- Copy to clipboard >
- Sort by >
- Appearance >

Part 2 목표(1) - 메시지 박스 제거

Found intermodular calls		
Address	Disassembly	Destination
00401162	JMP DWORD PTR DS:[<&MSVBVM50.#100>]	(Initial CPU selection)
00402977	CALL <JMP.&MSVBVM50.#595>	MSVBVM50.rtcMsgBox
00402AE8	CALL <JMP.&MSVBVM50.#595>	MSVBVM50.rtcMsgBox
00402CFE	CALL <JMP.&MSVBVM50.#595>	MSVBVM50.rtcMsgBox
00402E4C	CALL <JMP.&MSVBVM50.#595>	MSVBVM50.rtcMsgBox
0040116D	CALL <JMP.&MSVBVM50.#100>	MSVBVM50.ThunRTMain
004029D5	CALL <JMP.&MSVBVM50.__vbaEnd>	MSVBVM50.__vbaEnd
00402B42	CALL <JMP.&MSVBVM50.__vbaEnd>	MSVBVM50.__vbaEnd
00402BF1	CALL <JMP.&MSVBVM50.__vbaEnd>	MSVBVM50.__vbaEnd
00402D55	CALL <JMP.&MSVBVM50.__vbaEnd>	MSVBVM50.__vbaEnd
00402EEC	CALL <JMP.&MSVBVM50.__vbaEnd>	MSVBVM50.__vbaEnd
004028DB	CALL <JMP.&MSVBVM50.__vbaFree0bj>	MSVBVM50.__vbaFree0bj
00402A4D	CALL <JMP.&MSVBVM50.__vbaFree0bj>	MSVBVM50.__vbaFree0bj
00402B5D	CALL <JMP.&MSVBVM50.__vbaFree0bj>	MSVBVM50.__vbaFree0bj
00402F7D	CALL <JMP.&MSVBVM50.__vbaFree0bj>	MSVBVM50.__vbaFree0bj
00402FB6	CALL <JMP.&MSVBVM50.__vbaFree0bj>	MSVBVM50.__vbaFree0bj
00403042	CALL <JMP.&MSVBVM50.__vbaFree0bj>	MSVBVM50.__vbaFree0bj
0040307C	CALL <JMP.&MSVBVM50.__vbaFree0bj>	MSVBVM50.__vbaFree0bj
004028D3	CALL <JMP.&MSVBVM50.__vbaFreeStr>	MSVBVM50.__vbaFreeStr
00402A45	CALL <JMP.&MSVBVM50.__vbaFreeStr>	MSVBVM50.__vbaFreeStr
00402B55	CALL <JMP.&MSVBVM50.__vbaFreeStr>	MSVBVM50.__vbaFreeStr
00402B78	CALL <JMP.&MSVBVM50.__vbaFreeVar>	MSVBVM50.__vbaFreeVar
00402B80	CALL <JMP.&MSVBVM50.__vbaFreeVar>	MSVBVM50.__vbaFreeVar
00402B88	CALL <JMP.&MSVBVM50.__vbaFreeVar>	MSVBVM50.__vbaFreeVar
00402D7A	CALL <JMP.&MSVBVM50.__vbaFreeVar>	MSVBVM50.__vbaFreeVar
00402D82	CALL <JMP.&MSVBVM50.__vbaFreeVar>	MSVBVM50.__vbaFreeVar
00402D8A	CALL <JMP.&MSVBVM50.__vbaFreeVar>	MSVBVM50.__vbaFreeVar
004029A0	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFreeVarList
00402B11	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFreeVarList
00402B6C	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFreeVarList
00402D27	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFreeVarList
00402D6E	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFreeVarList
00402E63	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFreeVarList
00402E87	CALL <JMP.&MSVBVM50.__vbaFreeVarList>	MSVBVM50.__vbaFreeVarList
004028B5	CALL <JMP.&MSVBVM50.__vbaHresultCheck0bj>	MSVBVM50.__vbaHresultCheck0bj
00402A22	CALL <JMP.&MSVBVM50.__vbaHresultCheck0bj>	MSVBVM50.__vbaHresultCheck0bj
00402F75	CALL <JMP.&MSVBVM50.__vbaHresultCheck0bj>	MSVBVM50.__vbaHresultCheck0bj
0040303A	CALL <JMP.&MSVBVM50.__vbaHresultCheck0bj>	MSVBVM50.__vbaHresultCheck0bj
0040296D	CALL <JMP.&MSVBVM50.__vbaI4Var>	MSVBVM50.__vbaI4Var
00402ADE	CALL <JMP.&MSVBVM50.__vbaI4Var>	MSVBVM50.__vbaI4Var

Part 2 목표(1) - 메시지 박스 제거

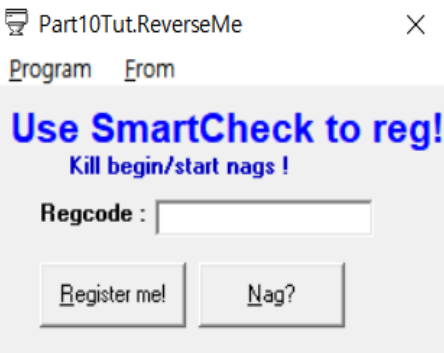
00402C7C	. 8975 8C	MOV DWORD PTR SS:[EBP-74],ESI	
00402C7F	. 89B5 5CFFFFFF	MOV DWORD PTR SS:[EBP-A4],ESI	
00402C85	. C745 84 F01E40	MOV DWORD PTR SS:[EBP-7C],Tut_Reve.0040	UNICODE "Get rid of all Nags and find
00402C8C	. 899D 7CFFFFFF	MOV DWORD PTR SS:[EBP-84],EBX	
00402C92	. E8 95E4FFFF	CALL <JMP.&MSVBVM50.__vbaVarCopy>	
00402C97	. 6A 03	PUSH 3	
00402C99	. 8D95 7CFFFFFF	LEA EDX,DWORD PTR SS:[EBP-84]	
00402C9F	. 5F	POP EDI	
00402CA0	. 8D4D DC	LEA ECX,DWORD PTR SS:[EBP-24]	
00402CA3	. C745 84 210000	MOV DWORD PTR SS:[EBP-7C],21	
00402CAA	. 89BD 7CFFFFFF	MOV DWORD PTR SS:[EBP-84],EDI	
00402CB0	. E8 71E4FFFF	CALL <JMP.&MSVBVM50.__vbaVarMove>	
00402CB5	. 8D95 7CFFFFFF	LEA EDX,DWORD PTR SS:[EBP-84]	
00402CBB	. 8D4D CC	LEA ECX,DWORD PTR SS:[EBP-34]	
00402CBE	. C745 84 781F40	MOV DWORD PTR SS:[EBP-7C],Tut_Reve.0040	UNICODE "Nag Screen "
00402CC5	. 899D 7CFFFFFF	MOV DWORD PTR SS:[EBP-84],EBX	
00402CCB	. E8 5CE4FFFF	CALL <JMP.&MSVBVM50.__vbaVarCopy>	
00402CD0	. 6A 0A	PUSH 0A	
00402CD2	. B9 04000280	MOV ECX,80020004	
00402CD7	. 58	POP EAX	
00402CD8	. 894D 94	MOV DWORD PTR SS:[EBP-6C],ECX	
00402CDB	. 8945 8C	MOV DWORD PTR SS:[EBP-74],EAX	
00402CDE	. 8945 9C	MOV DWORD PTR SS:[EBP-64],EAX	
00402CE1	. 8D45 8C	LEA EAX,DWORD PTR SS:[EBP-74]	
00402CE4	. 894D A4	MOV DWORD PTR SS:[EBP-5C],ECX	
00402CE7	. 50	PUSH EAX	
00402CE8	. 8D45 9C	LEA EAX,DWORD PTR SS:[EBP-64]	
00402CEB	. 50	PUSH EAX	
00402CEC	. 8D45 CC	LEA EAX,DWORD PTR SS:[EBP-34]	
00402CEF	. 50	PUSH EAX	
00402CF0	. 8D45 DC	LEA EAX,DWORD PTR SS:[EBP-24]	
00402CF3	. 50	PUSH EAX	
00402CF4	. E8 21E4FFFF	CALL <JMP.&MSVBVM50.__vbaI4Var>	
00402CF9	. 50	PUSH EAX	
00402CFA	. 8D45 AC	LEA EAX,DWORD PTR SS:[EBP-54]	
00402CFD	. 50	PUSH EAX	
00402CFE	. E8 1DE4FFFF	CALL <JMP.&MSVBVM50.#595>	
00402D03	. 8D95 5CFFFFFF	LEA EDX,DWORD PTR SS:[EBP-A4]	
00402D09	. 8D4D BC	LEA ECX,DWORD PTR SS:[EBP-44]	
00402D0C	. 8945 64FFFFFF	MOV DWORD PTR SS:[EBP-9C],EAX	

Part 2 목표(1) - 메시지 박스 제거

00402C7C	. 8975 8C	MOV DWORD PTR SS:[EBP-74],ESI	
00402C7F	. 89B5 5CFFFFFF	MOV DWORD PTR SS:[EBP-A4],ESI	
00402C85	. C745 84 F01E40	MOV DWORD PTR SS:[EBP-7C],Tut_Reve.0040	UNICODE "Get rid of all Nags and
00402C8C	. 899D 7CFFFFFF	MOV DWORD PTR SS:[EBP-84],EBX	
00402C92	. E8 95E4FFFF	CALL <JMP.&MSVBVM50.__vbaVarCopy>	
00402C97	. 6A 03	PUSH 3	
00402C99	. 8D95 7CFFFFFF	LEA EDX,DWORD PTR SS:[EBP-84]	
00402C9F	. 5F	POP EDI	
00402CA0	. 8D4D DC	LEA ECX,DWORD PTR SS:[EBP-24]	
00402CA3	. C745 84 210000	MOV DWORD PTR SS:[EBP-7C],21	
00402CAA	. 89BD 7CFFFFFF	MOV DWORD PTR SS:[EBP-84],EDI	
00402CB0	. E8 71E4FFFF	CALL <JMP.&MSVBVM50.__vbaVarMove>	
00402CB5	. 8D95 7CFFFFFF	LEA EDX,DWORD PTR SS:[EBP-84]	
00402CBB	. 8D4D CC	LEA ECX,DWORD PTR SS:[EBP-24]	
00402CBE	. C745 84 781F40	MOV DI,Nag Screen	UNICODE "Nag Screen "
00402CC5	. 899D 7CFFFFFF	MOV DI	
00402CCB	. E8 5CE4FFFF	CALL	
00402CD0	. 6A 0A	PUSH	
00402CD2	. B9 04000280	MOV EC	
00402CD7	. 58	POP E	
00402CD8	. 894D 94	MOV DI	
00402CDB	. 8945 8C	MOV DI	
00402CDE	. 8945 9C	MOV DI	
00402CE1	. 8D45 8C	LEA EAX,DWORD PTR SS:[EBP-74]	
00402CE4	. 894D A4	MOV DWORD PTR SS:[EBP-5C],ECX	
00402CE7	. 50	PUSH EAX	
00402CE8	. 8D45 9C	LEA EAX,DWORD PTR SS:[EBP-64]	
00402CEB	. 50	PUSH EAX	
00402CEC	. 8D45 CC	LEA EAX,DWORD PTR SS:[EBP-34]	
00402CEF	. 50	PUSH EAX	
00402CF0	. 8D45 DC	LEA EAX,DWORD PTR SS:[EBP-24]	
00402CF3	. 50	PUSH EAX	
00402CF4	. E8 21E4FFFF	CALL <JMP.&MSVBVM50.__vbaI4Var>	
00402CF9	. 50	PUSH EAX	
00402CFA	. 8D45 AC	LEA EAX,DWORD PTR SS:[EBP-54]	
00402CFD	. 50	PUSH EAX	
00402CFE	. E8 1DE4FFFF	CALL <JMP.&MSVBVM50.#595>	
00402D03	. 8D95 5CFFFFFF	LEA EDX,DWORD PTR SS:[EBP-A4]	
00402D09	. 8D4D BC	LEA ECX,DWORD PTR SS:[EBP-44]	
00402D0C	. 8985 64FFFFFF	MOV DWORD PTR SS:[EBP-9C],EAX	

Part 2 목표(1) - 메시지 박스 제거

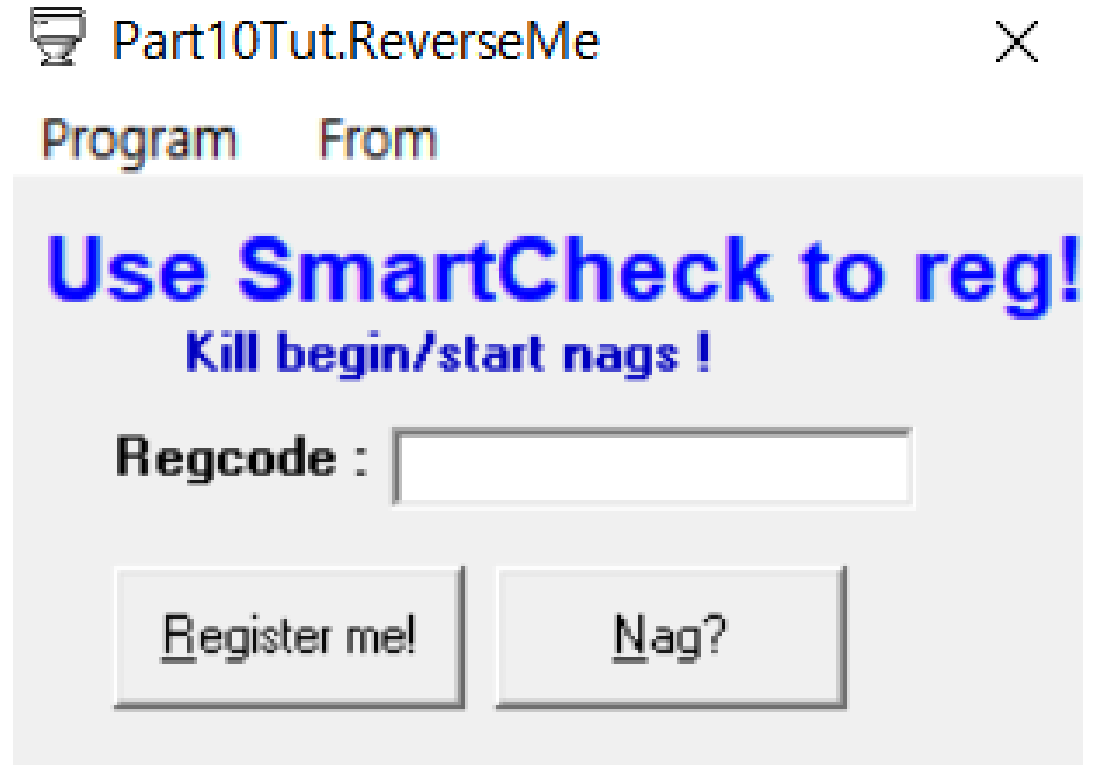
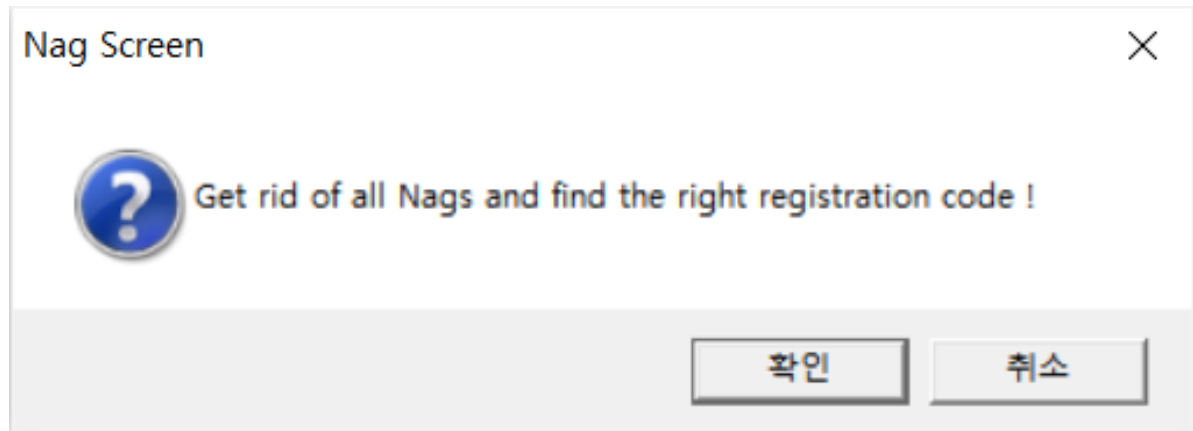
00402C7C	. 8975 8C	MOV DWORD PTR SS:[EBP-74],ESI	
00402C7F	. 89B5 5CFFFFFF	MOV DWORD PTR SS:[EBP-A4],ESI	
00402C85	. C745 84 F01E40	MOV DWORD PTR SS:[EBP-7C],Tut_Reve.0040	UNICODE "Get rid of all Nags and find
00402C8C	. 899D 7CFFFFFF	MOV DWORD PTR SS:[EBP-84],EBX	
00402C92	. E8 95E4FFFF	CALL <JMP.&MSVBVM50.__vbaVarCopy>	
00402C97	. 6A 03	PUSH 3	
00402C99	. 8D95 7CFFFFFF	LEA EDX,DWORD PTR SS:[EBP-84]	
00402C9F	. 5F	POP EDI	
00402CA0	. 8D4D DC	LEA ECX,DWORD PTR SS:[EBP-24]	
00402CA3	. C745 84 210000	MOV DWORD PTR SS:[EBP-7C],21	
00402CAA	. 89BD 7CFFFFFF	MOV DWORD PTR SS:[EBP-84],EDI	
00402CB0	. E8 71E4FFFF	CALL <JMP.&MSVBVM50.__vbaVarMove>	
00402CB5	. 8D95 7CFFFFFF	LEA EDX,DWORD PTR SS:[EBP-84]	
00402CBB	. 8D4D CC	LEA ECX,DWORD PTR SS:[EBP-24]	
00402CBE	. C745 84 781F40	MOV DWORD PTR SS:[EBP-7C],781F40	0040: UNICODE "Nag Screen "
00402CC5	. 899D 7CFFFFFF	MOV DWORD PTR SS:[EBP-84],EDI	
00402CCB	. E8 5CE4FFFF	CALL <JMP.&MSVBVM50.__vbaVarCopy>	
00402CD0	. 6A 0A	PUSH 0A	
00402CD2	. B9 04000280	MOV ECX,80020080	
00402CD7	. 58	POP EAX	
00402CD8	. 894D 94	MOV DWORD PTR SS:[EBP-64],EAX	
00402CDB	. 8945 8C	MOV DWORD PTR SS:[EBP-84],EAX	
00402CDE	. 8945 9C	MOV DWORD PTR SS:[EBP-7C],EAX	
00402CE1	. 8D45 8C	LEA EAX,DWORD PTR SS:[EBP-84]	
00402CE4	. 894D A4	MOV DWORD PTR SS:[EBP-5C],ECX	
00402CE7	. 50	PUSH EAX	
00402CE8	. 8D45 9C	LEA EAX,DWORD PTR SS:[EBP-64]	
00402CEB	. 50	PUSH EAX	
00402CEC	. 8D45 CC	LEA EAX,DWORD PTR SS:[EBP-34]	
00402CEF	. 50	PUSH EAX	
00402CF0	. 8D45 DC	LEA EAX,DWORD PTR SS:[EBP-24]	
00402CF3	. 50	PUSH EAX	
00402CF4	. E8 21E4FFFF	CALL <JMP.&MSVBVM50.__vbaI4Var>	
00402CF9	. 50	PUSH EAX	
00402CFA	. 8D45 AC	LEA EAX,DWORD PTR SS:[EBP-54]	
00402CFD	. 50	PUSH EAX	
00402CFE	. E8 1DE4FFFF	CALL <JMP.&MSVBVM50.#595>	
00402D03	. 8D95 5CFFFFFF	LEA EDX,DWORD PTR SS:[EBP-A4]	
00402D09	. 8D4D BC	LEA ECX,DWORD PTR SS:[EBP-44]	
00402D0C	. 8985 64FFFFFF	MOV DWORD PTR SS:[EBP-9C],EAX	



Part 2 목표(1) - 메시지 박스 제거

00402CA3	. C745 84 210000	MOV DWORD PTR SS:[EBP-7C],21	
00402CAA	. 89BD 7CFFFFFF	MOV DWORD PTR SS:[EBP-84],EDI	
00402CB0	. E8 71E4FFFF	CALL <JMP.&MSVBVM50.__vbaVarMove>	
00402CB5	. 8D95 7CFFFFFF	LEA EDX,DWORD PTR SS:[EBP-84]	
00402CBB	. 8D4D CC	LEA ECX,DWORD PTR SS:[EBP-34]	
00402CBE	. C745 84 781F40	MOV DWORD PTR SS:[EBP-7C],Tut_Reve.0040: UNICODE "Nag Screen "	
00402CC5	. 899D 7CFFFFFF	MOV DWORD PTR SS:[EBP-84],EBX	
00402CCB	. E8 5CE4FFFF	CALL <JMP.&MSVBVM50.__vbaVarCopy>	
00402CD0	. 6A 0A	PUSH 0A	
00402CD2	. B9 04000280	MOV ECX,80020004	
00402CD7	. 58	POP EAX	
00402CD8	. 894D 94	MOV DWORD PTR SS:[EBP-6C],ECX	
00402CDB	. 8945 8C	MOV DWORD PTR SS:[EBP-74],EAX	
00402CDE	. 8945 9C	MOV DWORD PTR SS:[EBP-64],EAX	
00402CE1	. 8D45 8C	LEA EAX,DWORD PTR SS:[EBP-74]	
00402CE4	. 894D A4	MOV DWORD PTR SS:[EBP-5C],ECX	
00402CE7	. 50	PUSH EAX	
00402CE8	. 8D45 9C	LEA EAX,DWORD PTR SS:[EBP-64]	
00402CEB	. 50	PUSH EAX	
00402CEC	. 8D45 CC	LEA EAX,DWORD PTR SS:[EBP-34]	
00402CEF	. 50	PUSH EAX	
00402CF0	. 8D45 DC	LEA EAX,DWORD PTR SS:[EBP-24]	
00402CF3	. 50	PUSH EAX	
00402CF4	. E8 21E4FFFF	CALL <JMP.&MSVBVM50.__vbaI4Var>	
00402CF9	. 50	PUSH EAX	
00402CFA	. 8D45 AC	LEA EAX,DWORD PTR SS:[EBP-54]	
00402CFD	. 50	PUSH EAX	
00402CFE	. E8 1DE4FFFF	CALL <JMP.&MSVBVM50.#595>	
00402D03	. 8D95 5CFFFFFF	LEA EDX,DWORD PTR SS:[EBP-A4]	
00402D09	. 8D4D BC	LEA ECX,DWORD PTR SS:[EBP-44]	
00402D0E	. 8D4D BC	LEA ECX,DWORD PTR SS:[EBP-44]	

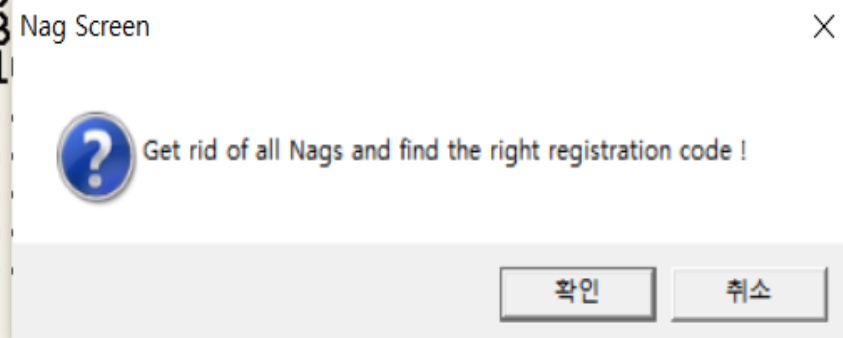
Part 2 목표(1) - 메시지 박스 제거



둘 다 같은 코드에서 실행

Part 2 패치(1) - ADD ESP, XXXX 형태로 변경

00401120	\$-FF25 0C514000	JMP	DWORD	PTR	DS: [<&MSVBVM50.#595>]	MSVBVM50.rtcMsgBox
00401126	\$-FF25 E4504000	JMP	DWORD	PTR	DS: [<&MSVBVM50.__vbaVarMov	MSVBVM50.__vbaVarMove
0040112C	\$-FF25 70514000	JMP	DWORD	PTR	DS: [<&MSVBVM50.__vbaVarCop	MSVBVM50.__vbaVarCopy
00401132	\$-FF25 88514000	JMP	DWORD	PTR	DS: [<&MSVBVM50.__vbaFreeOb	MSVBVM50.__vbaFreeObj
00401138	\$-FF25 84514000	JMP	DWORD	PTR	DS: [<&MSVBVM50.__vbaFreeStr	MSVBVM50.__vbaFreeStr
0040113E	\$-FF25 FC504000	JMP	DWORD	PTR	DS: [<&MSVBVM50.__vbaHresu	MSVBVM50.__vbaHresultCh
00401144	\$-FF25 08514000	JMP	DWORD	PTR	DS: [<&MSVBVM50.__vbaObjSet	MSVBVM50.__vbaObjSet
0040114A	\$-FF25 24514000	JMP	DWORD	PTR	DS: [<&MSVBVM50.__vbaStrCmp	MSVBVM50.__vbaStrCmp
00401150	.-FF25 3C514000	JMP	DWORD	PTR	DS: [<&MSVBVM50.EVENT_SINK	MSVBVM50.EVENT_SINK_Que
00401156	.-FF25 20514000	JMP	DWORD	PTR	DS: [<&MSVBVM50.EVENT_SINK	MSVBVM50.EVENT_SINK_Adc
0040115C	.-FF25 34514000	JMP	DWORD	PTR	DS: [<&MSVBVM50.EVENT_SINK	MSVBVM50.EVENT_SINK_Re
00401162	\$-FF25 64514000	JMP	DWORD	PTR	DS: [<&MSVBVM50.#100>T	MSVBVM50.ThunDTMain
00401168	\$ 68 B8184000	PUSH	Tut Reve.004018B8			
0040116D	. E8 F0FFFFFF	CALL	<JMP.&MSVBVM50.#1			
00401172	. 0000	ADD	BYTE	PTR	DS: [EAX],	
00401174	. 0000	ADD	BYTE	PTR	DS: [EAX],	
00401176	. 0000	ADD	BYTE	PTR	DS: [EAX],	
00401178	. 3000	XOR	BYTE	PTR	DS: [EAX],	
0040117A	. 0000	ADD	BYTE	PTR	DS: [EAX],	
0040117C	. 40	INC	EAX			
0040117D	. 0000	ADD	BYTE	PTR	DS: [EAX],	
0040117F	. 0000	ADD	BYTE	PTR	DS: [EAX], AL	
00401181	. 0000	ADD	BYTE	PTR	DS: [EAX], AL	
00401183	. 003F	ADD	BYTE	PTR	DS: [EDI], BH	
00401185	. 186A 8B	SBB	BYTE	PTR	DS: [EDX-75], CH	
00401188	. 9E	SAHF				
00401189	. C3	RETN				
0040118A	. D2	DB	D2			
0040118B	. 11	DB	11			
0040118C	. 80	DB	80			
0040118D	. E1	DB	E1			
0040118E	. 00	DB	00			
0040118F	. 80	DB	80			



Part 2 패치(1) - ADD ESP,XXX 형태로 변경

7419410F	33FF	XOR EDI,EDI	
74194111	66:397D FC	CMP WORD PTR SS:[EBP-4],DI	
74194115	✓ 0F84 B6000000	JE MSVBVM50.741941D1	
7419411B	66:397D FE	CMP WORD PTR SS:[EBP-2],DI	
7419411F	✓ 0F84 AC000000	JE MSVBVM50.741941D1	
74194125	33C0	XOR EAX,EAX	
74194127	897D E8	MOV DWORD PTR SS:[EBP-18],EDI	
7419412A	85F6	TEST ESI,ESI	
7419412C	✓ 75 03	JNZ SHORT MSVBVM50.74194131	
7419412E	8D75 FA	LEA ESI,DWORD PTR SS:[EBP-6]	
74194131	85DB	TEST EBX,EBX	
74194133	✓ 75 0A	JNZ SHORT MSVBVM50.7419413F	
74194135	66:837D F6 00	CMP WORD PTR SS:[EBP-A],0	
7419413A	✓ 75 03	JNZ SHORT MSVBVM50.7419413F	
7419413C	8D5D FA	LEA EBX,DWORD PTR SS:[EBP-6]	
7419413F	6A 01	PUSH 1	
74194141	50	PUSH EAX	
74194142	57	PUSH EDI	
74194143	FF75 0C	PUSH DWORD PTR SS:[EBP+C]	
74194146	53	PUSH EBX	
74194147	56	PUSH ESI	
74194148	E8 A61FFDFF	CALL MSVBVM50.741660F3	
7419414D	FF75 EC	PUSH DWORD PTR SS:[EBP-14]	
74194150	66:8BF8	MOV DI,AX	
74194153	FF15 88190C74	CALL DWORD PTR DS:[<&OLEAUT32.#6>]	OLEAUT32.SysFreeString
74194159	FF75 F0	PUSH DWORD PTR SS:[EBP-10]	
7419415C	FF15 88190C74	CALL DWORD PTR DS:[<&OLEAUT32.#6>]	OLEAUT32.SysFreeString
74194162	FF75 E8	PUSH DWORD PTR SS:[EBP-18]	
74194165	FF15 88190C74	CALL DWORD PTR DS:[<&OLEAUT32.#6>]	OLEAUT32.SysFreeString
7419416B	0FBFC7	MOV SX EAX,DI	
7419416E	5F	POP EDI	
7419416F	5E	POP ESI	
74194170	5B	POP EBX	
74194171	8BE5	MOV ESP,EBP	
74194173	5D	POP EBP	
74194174	C2 1400	RETN 14	
74194177	66:C745 FC 0000	MOV WORD PTR SS:[EBP-4],0	
7419417D	^ E9 02FFFFFFF	JMP MSVBVM50.74194084	
74194182	66:C745 FE 0000	MOV WORD PTR SS:[EBP-2],0	
74194188	^ E9 17FFFFFFF	JMP MSVBVM50.741940A4	

Part 2 패치(1) - ADD ESP, XXXX 형태로 변경

(수정 전)

00402CFA	. 8D45 AC	LEA EAX, DWORD PTR SS:[EBP-54]	
00402CFD	. 50	PUSH EAX	
00402CFE	. E8 1DE4FFFF	CALL <JMP.&MSVBVM50.#595>	
00402D03	. 8D95 5CFFFFFFF	LEA EDX, DWORD PTR SS:[EBP-A4]	
00402D09	. 8D4D BC	LEA ECX, DWORD PTR SS:[EBP-44]	
00402D0C	. 8985 64FFFFFFF	MOV DWORD PTR SS:[EBP-9C], EAX	
00402D12	. 89BD 5CFFFFFFF	MOV DWORD PTR SS:[EBP-A4], EDI	

(수정 후)

00402CFA	. 8D45 AC	LEA EAX, DWORD PTR SS:[EBP-54]	
00402CFD	. 50	PUSH EAX	
00402CFE	83C4 14	ADD ESP, 14	
00402D01	90	NOP	
00402D02	90	NOP	
00402D03	8D95 5CFFFFFFF	LEA EDX, DWORD PTR SS:[EBP-A4]	
00402D09	. 8D4D BC	LEA ECX, DWORD PTR SS:[EBP-44]	

Part 2 패치(2) – RETN 형태로 변경

00402C0B	. 64:890D 000000	MOV DWORD PTR FS:[0],ECX	
00402C12	. 5B	POP EBX	
00402C13	. C9	LEAVE	
00402C14	. C2 0400	RETN 4	
00402C17	> 55	PUSH EBP	
00402C18	. 8BEC	MOV EBP,ESP	
00402C1A	. 83EC 0C	SUB ESP,0C	
00402C1D	. 68 66104000	PUSH <JMP.&MSVBVM50._vbaExceptionHandler>	SE handler installation
00402C22	. 64:A1 00000000	MOV EAX,DWORD PTR FS:[0]	
00402C28	. 50	PUSH EAX	
00402C29	. 64:8925 000000	MOV DWORD PTR FS:[0],ESP	
00402C30	. 81EC 98000000	SUB ESP,98	
00402C36	. 8B45 08	MOV EAX,DWORD PTR SS:[EBP+8]	
00402C39	. 8365 08 FE	AND DWORD PTR SS:[EBP+8],FFFFFFFE	
00402C3D	. 83E0 01	AND EAX,1	
00402C40	. C745 F8 181040	MOV DWORD PTR SS:[EBP-8],Tut_Reve.004010	
00402C47	. 53	PUSH EBX	
00402C48	. 8945 FC	MOV DWORD PTR SS:[EBP-4],EAX	
00402C4B	. 8B45 08	MOV EAX,DWORD PTR SS:[EBP+8]	
00402C4E	. 56	PUSH ESI	
00402C4F	. 57	PUSH EDI	
00402C50	. 8B08	MOV ECX,DWORD PTR DS:[EAX]	
00402C52	. 8965 F4	MOV DWORD PTR SS:[EBP-C],ESP	
00402C55	. 50	PUSH EAX	
00402C56	. FF51 04	CALL DWORD PTR DS:[ECX+4]	
00402C59	. 6A 08	PUSH 8	
00402C5B	. 33F6	XOR ESI,ESI	
00402C5D	. 5B	POP EBX	
00402C5E	. 89B5 7CFFFFFF	MOV DWORD PTR SS:[EBP-84],ESI	
00402C64	. 8D95 7CFFFFFF	LEA EDX,DWORD PTR SS:[EBP-84]	
00402C6A	. 8D4D AC	LEA ECX,DWORD PTR SS:[EBP-54]	
00402C6D	. 8975 DC	MOV DWORD PTR SS:[EBP-24],ESI	
00402C70	. 8975 CC	MOV DWORD PTR SS:[EBP-34],ESI	
00402C73	. 8975 BC	MOV DWORD PTR SS:[EBP-44],ESI	
00402C76	. 8975 AC	MOV DWORD PTR SS:[EBP-54],ESI	
00402C79	. 8975 9C	MOV DWORD PTR SS:[EBP-64],ESI	
00402C7C	. 8975 8C	MOV DWORD PTR SS:[EBP-74],ESI	
00402C7F	. 89B5 5CFFFFFF	MOV DWORD PTR SS:[EBP-A4],ESI	
00402C85	. C745 84 F01E40	MOV DWORD PTR SS:[EBP-7C],Tut_Reve.0040	UNICODE "Get rid of al
00402C8C	. 899D 7CFFFFFF	MOV DWORD PTR SS:[EBP-84],EBX	

Part 2 패치(2) - RETN 형태로 변경

00402C12	. 5B	POP EBX	
00402C13	. C9	LEAVE	
00402C14	. C2 0400	RETN 4	
00402C17	> 55	PUSH EBP	← BP 설정
00402C18	. 8BEC	MOV EBP, ESP	
00402C1A	. 83EC 0C	SUB ESP, 0C	
00402C1D	. 68 66104000	PUSH <JMP.&MSVBVM50.vbaExceptionHandler>	SE handler installation
00402C20	. 6A 41 00000000	MOV EAX, DIADD RTD ECX, EAX	

(실행 후 스택값)

↙ 리턴 주소

0019F2A8	740DE5A9	RETURN to MSVBVM50.740DE5A9	^
0019F2AC	00650129	ASCII "B@"	
0019F2B0	0019F2C0		
0019F2B4	00402649	Tut_Reve.00402649	
0019F2B8	00650168		
0019F2BC	00000001		
0019F2C0	0019F2DC		
0019F2C4	740DE583	RETURN to MSVBVM50.740DE583 from	
0019F2C8	00402649	Tut_Reve.00402649	
0019F2CC	0019F388		
0019F2D0	00000002		
0019F2D4	00000001		
0019F2D8	0019F3BC		v

Part 2 패치(2) – RETN 형태로 변경

740DE5A3	8BFC	MOV EDI,ESP	
740DE5A5	F3:A5	REP MOVSDWORD PTR ES:[EDI],DWORD PTR DS	
740DE5A7	FFD0	CALL EAX	
740DE5A9	8BE5	MOV ESP,EBP	
740DE5AB	5D	POP EBP	
740DE5AC	8945 FC	MOV DWORD PTR SS:[EBP-4],EAX	
740DE5AF	8B45 FC	MOV EAX,DWORD PTR SS:[EBP-4]	
740DE5B2	EE	POP EDI	

Part 2 패치(2) – RETN 형태로 변경

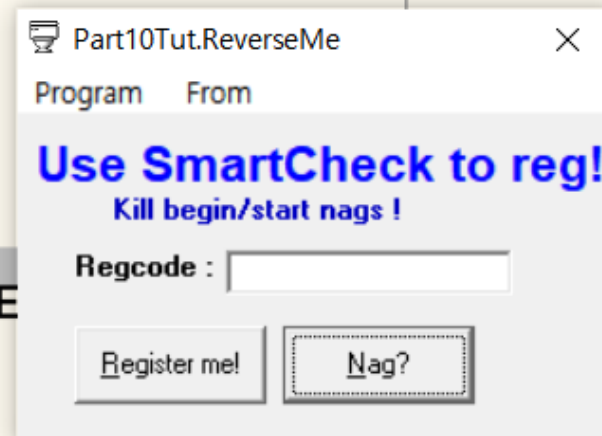
740DE5A3	8BFC	MOV EDI, ESP	
740DE5A5	F3:A5	REP MOVSD DWORD PTR ES:[EDI], DWORD PTR DS:[EDI]	
740DE5A7	FFD0	CALL EAX	Tut_Reve.00402656
740DE5A9	8BE5	MOV ESP, EBP	
740DE5AB	5D	POP EBP	
740DE5AC	8945 FC	MOV DWORD PTR SS:[EBP-4], EAX	
740DE5AF	8B45 FC	MOV EAX, DWORD PTR SS:[EBP-4]	
740DE5B2	5E	POP EDI	

Registers (MMX)		CALL EAX 실행 전
EAX	00402656	Tut_Reve.00402656
ECX	00000000	
EDX	00000006	
EBX	0226A374	
ESP	0019FAB8	
EBP	0019FABC	
ESI	0019FB98	
EDI	0019FABC	
EIP	740DE5A7	MSVBVM50.740DE5A7

Registers (MMX)		CALL EAX 실행 후
EAX	00000000	
ECX	0019FF58	
EDX	00000090	
EBX	022EA374	19FABC - 19FAB8
ESP	0019FABC	----- 4
EBP	0019FABC	
ESI	0019FB98	(c가 16진수에서 12를 나타냄)
EDI	0019FABC	
EIP	740DE5A9	MSVBVM50.740DE5A9

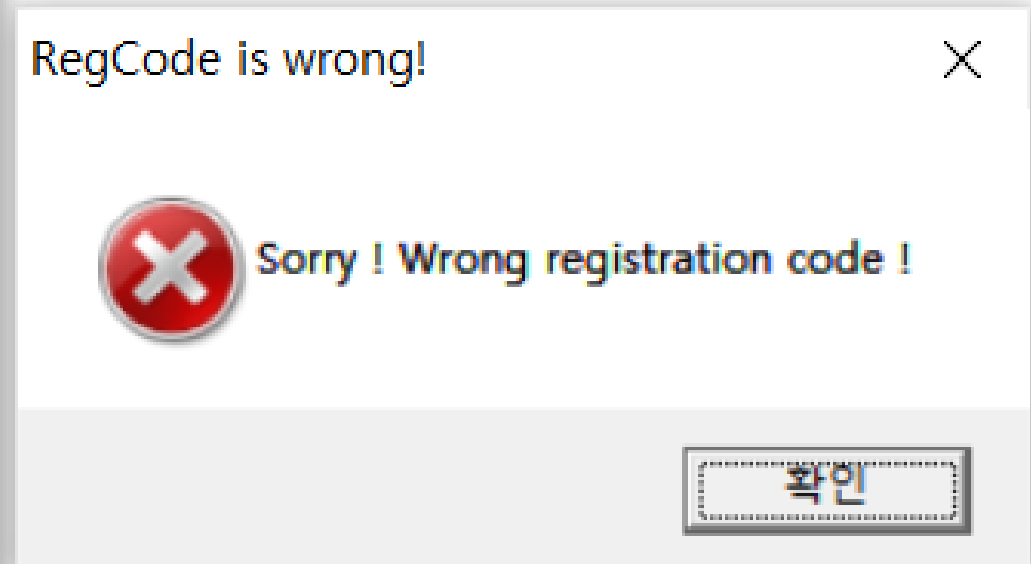
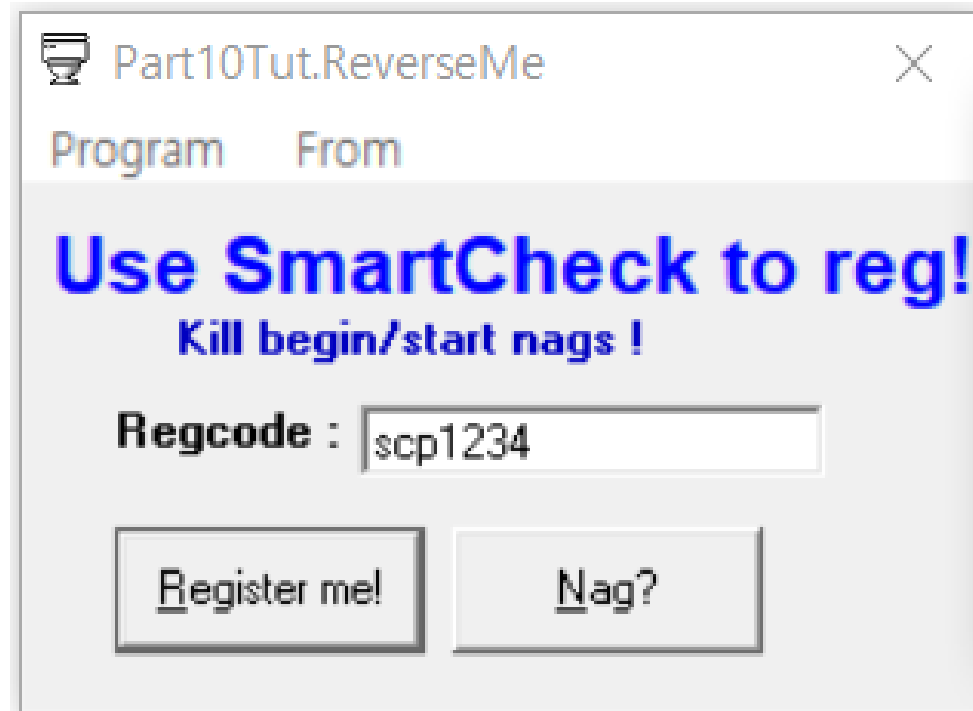
Part 2 패치(2) – RETN 형태로 변경

00402BF1	. E8 12E5FFFF	CALL <JMP.&MSVBVM50.vbaEnd>
00402BF6	. 8365 FC 00	AND DWORD PTR SS:[EBP-4],0
00402BFA	. 8B45 08	MOV EAX,DWORD PTR SS:[EBP+8]
00402BFD	. 50	PUSH EAX
00402BFE	. 8B08	MOV ECX,DWORD PTR DS:[EAX]
00402C00	. FF51 08	CALL DWORD PTR DS:[ECX+8]
00402C03	. 8B4D EC	MOV ECX,DWORD PTR SS:[EBP-14]
00402C06	. 8B45 FC	MOV EAX,DWORD PTR SS:[EBP-4]
00402C09	. 5F	POP EDI
00402C0A	. 5E	POP ESI
00402C0B	. 64:890D 000000	MOV DWORD PTR FS:[0],ECX
00402C12	. 5B	POP EBX
00402C13	. C9	LEAVE
00402C14	. C2 0400	RETN 4
00402C17	. C2 0400	RETN 4
00402C1A	. 83EC 0C	SUB ESP,0C
00402C1D	. 68 66104000	PUSH <JMP.&MSVBVM50.vbaE
00402C22	. 64:A1 00000000	MOV EAX,DWORD PTR FS:[0]
00402C28	. 50	PUSH EAX
00402C29	. 64:8925 000000	MOV DWORD PTR FS:[0],ESP
00402C30	. 81EC 98000000	SUB ESP,98
00402C36	. 8B45 08	MOV EAX,DWORD PTR SS:[EBP+8]
00402C39	. 8365 08 FE	AND DWORD PTR SS:[EBP+8],FFFFFFFE
00402C3D	. 83E0 01	AND EAX,1
00402C40	. C745 F8 181040	MOV DWORD PTR SS:[EBP-8],Tut_Reve.004010



목표(2) – Registraion Code 찾기

Part 2 목표 (2) – Restriction Code 찾기



Part 2 목표 (2) – Restriction Code 찾기

The screenshot shows a debugger's search menu. The menu is open, displaying a list of search criteria. The 'Search for' option is selected, and a sub-menu is visible showing various search targets. The background shows a disassembly window with assembly code and a memory dump.

Search for	Search criteria	Shortcut
Search for	Name (label) in current module	Ctrl+N
Find references to	Name in all modules	
View	Command	Ctrl+F
Copy to executable	Sequence of commands	Ctrl+S
Analysis	Constant	
Appearance	Binary string	Ctrl+B
	All intermodular calls	
	All commands	
	All sequences	
	All constants	
	All switches	
	All referenced text strings	
	User-defined label	
	User-defined comment	

Part 2 목표 (2) – Restriction Code 찾기

Text strings referenced in Tut_Reve.text

Address	Disassembly	Text string
00401FC4	UNICODE "0 lena15"	
00401FD4	UNICODE "1 ",0	
00401FEC	UNICODE "Visible",0	
00401FFC	ASCII "VBA5.DLL",0	
00402008	ASCII "__vba0bjVar",0	
00402014	ASCII "__vbaLateMemSt",0	
00402024	ASCII "__vbaVarDup",0	
00402030	ASCII "__vbaEnd",0	
0040203C	ASCII "__vbaVarTstEq",0	
0040204C	ASCII "__vbaFreeVarList"	
0040205C	ASCII 0	
00402060	ASCII "__vbaI4Var",0	
0040206C	ASCII "__vbaVarMove",0	
0040207C	ASCII "__vbaVarCopy",0	
0040208C	ASCII "__vbaFree0bj",0	
0040209C	ASCII "__vbaFreeStr",0	
004020AC	ASCII "__vbaHresultChec"	
004020BC	ASCII "k0bj",0	
004020C4	ASCII "__vba0bjSet",0	
004020D0	ASCII "__vbaStrCmp",0	
0040217C	DD Tut_Reve.00401C84	ASCII "Form"
004021A4	DD Tut_Reve.00401CFC	ASCII "mnaprog"
004021CC	DD Tut_Reve.00401D14	ASCII "Command1"
004021F4	DD Tut_Reve.00401D20	ASCII "Command2"
0040221C	DD Tut_Reve.00401D2C	ASCII "mnuabout"
00402244	DD Tut_Reve.00401D48	ASCII "Text1"
0040226C	DD Tut_Reve.00401D60	ASCII "Label2"
00402294	DD Tut_Reve.00401D68	ASCII "mnuexit"
004022BC	DD Tut_Reve.00401D70	ASCII "Label3"
004022E4	DD Tut_Reve.00401D78	ASCII "Label1"
004028BD	PUSH Tut_Reve.00401DDC	UNICODE "I'mlena151"
004028F5	MOV DWORD PTR SS:[EBP-84],Tut_Reve.00401DDC	UNICODE "Yep ! You succeeded registering !"
00402934	MOV DWORD PTR SS:[EBP-84],Tut_Reve.00401DDC	UNICODE "Congratz !!!!!"
00402A2A	PUSH Tut_Reve.00401DDC	UNICODE "I'mlena151"
00402A69	MOV DWORD PTR SS:[EBP-84],Tut_Reve.00401DDC	UNICODE "Sorry ! Wrong registration code !"
00402AA9	MOV DWORD PTR SS:[EBP-84],Tut_Reve.00401DDC	UNICODE "RegCode is wrong!"
00402C85	MOV DWORD PTR SS:[EBP-7C],Tut_Reve.00401DDC	UNICODE "Get rid of all Nags and find the right
00402CBE	MOV DWORD PTR SS:[EBP-7C],Tut_Reve.00401DDC	UNICODE "Nag Screen "
00402E28	MOV DWORD PTR SS:[EBP-5C],Tut_Reve.00401DDC	UNICODE "ReverseMe Tutorial Part10 lena151 "
00402F9A	PUSH Tut_Reve.00401FEC	UNICODE "Visible"

Enter text to search for

Wrong registration code

☒ Case sensitive

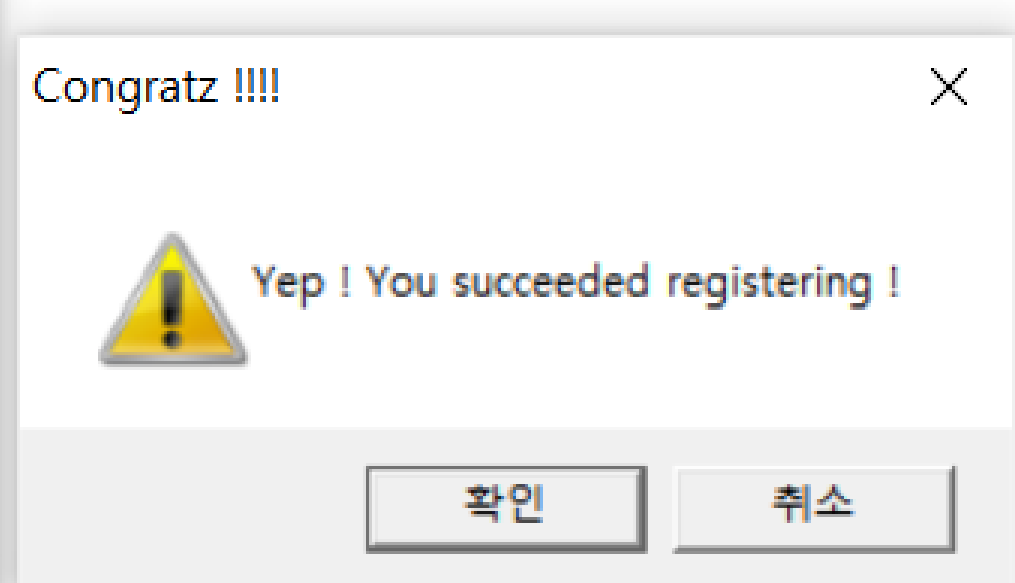
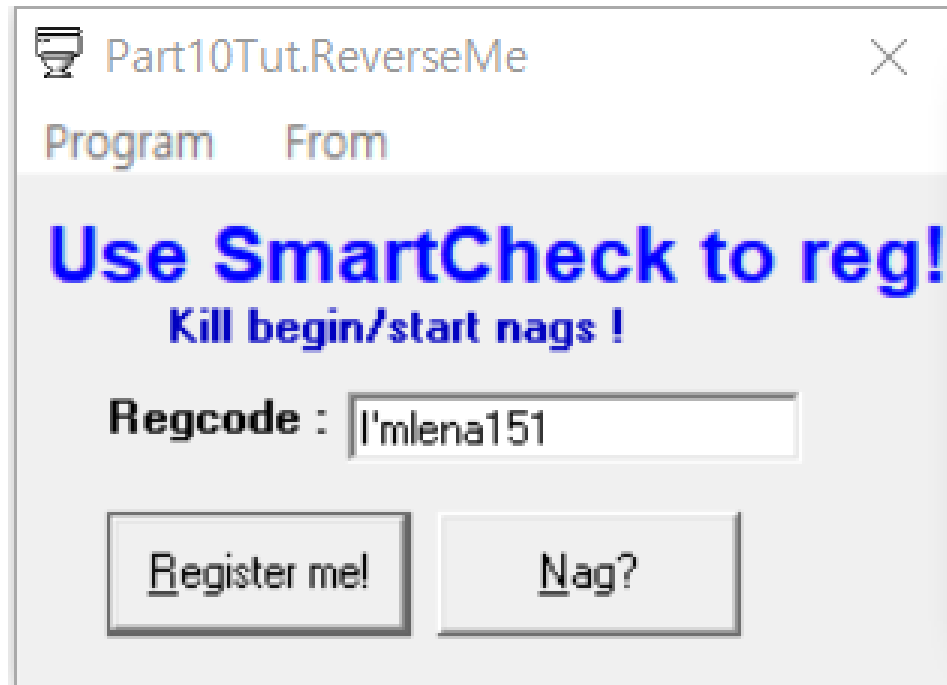
☐ Entire scope

OK Cancel

Part 2 목표 (2) – Restriction Code 찾기

00402A0F	. 7D 16	JGE SHORT Tut_Reve.00402A27	
00402A11	. 68 A0000000	PUSH 0A0	
00402A16	. 68 F41D4000	PUSH Tut_Reve.00401DF4	
00402A1B	. FFB5 50FFFFFF	PUSH DWORD PTR SS:[EBP-B0]	
00402A21	. 50	PUSH EAX	
00402A22	. E8 17E7FFFF	CALL <JMP.&MSVBVM50. __vbaHresultCheck0b>	
00402A27	> FF75 A8	PUSH DWORD PTR SS:[EBP-58]	
00402A2A	. 68 DC1D4000	PUSH Tut_Reve.00401DDC	UNICODE "I'mlena151"
00402A2F	. E8 16E7FFFF	CALL <JMP.&MSVBVM50. __vbaStrCmp>	
00402A34	. F7D8	NEG EAX	
00402A36	. 1BC0	SBB EAX,EAX	
00402A38	. 8D4D A8	LEA ECX,DWORD PTR SS:[EBP-58]	
00402A3B	. F7D8	NEG EAX	
00402A3D	. F7D8	NEG EAX	
00402A3F	. 8985 48FFFFFF	MOV DWORD PTR SS:[EBP-B8],EAX	
00402A45	. E8 EEE6FFFF	CALL <JMP.&MSVBVM50. __vbaFreeStr>	
00402A4A	. 8D4D A4	LEA ECX,DWORD PTR SS:[EBP-5C]	
00402A4D	. E8 E0E6FFFF	CALL <JMP.&MSVBVM50. __vbaFreeObj>	
00402A52	. 66:83BD 48FFFF	CMP WORD PTR SS:[EBP-B8],0	
00402A5A	. 0F84 E7000000	JE Tut_Reve.00402B47	
00402A60	. 8D95 74FFFFFF	LEA EDX,DWORD PTR SS:[EBP-8C]	
00402A66	. 8D4D AC	LEA ECX,DWORD PTR SS:[EBP-54]	
00402A69	. C785 7CFFFFFF	MOV DWORD PTR SS:[EBP-84],Tut_Reve.00402B47	UNICODE "Sorry ! Wrong regis
00402A73	. C785 74FFFFFF	MOV DWORD PTR SS:[EBP-8C],8	
00402A7D	. E8 AAE6FFFF	CALL <JMP.&MSVBVM50. __vbaVarCopy>	
00402A82	. 8D95 74FFFFFF	LEA EDX,DWORD PTR SS:[EBP-8C]	
00402A88	. 8D4D DC	LEA ECX,DWORD PTR SS:[EBP-24]	
00402A8B	. C785 7CFFFFFF	MOV DWORD PTR SS:[EBP-84],10	
00402A95	. 899D 74FFFFFF	MOV DWORD PTR SS:[EBP-8C],EBX	
00402A9B	. E8 86E6FFFF	CALL <JMP.&MSVBVM50. __vbaVarMove>	

Part 2 목표 (2) – Restriction Code 찾기



Q&A