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| Week | Reverse Engineering Malware | Duration |
| 4 | Procedures | 60 mins |

Marks allocation: 2/100 for CA tutorial submission

**Lesson Objectives**

* Understand Procedures in assembly language

1. Which instruction pushes all of the 32-bit general-purpose registers on the stack? pusha

2. Which instruction pushes the 32-bit EFLAGS register on the stack? pushf

3. Which instruction pops the stack into the EFLAGS register? popf

4. Suppose there were no PUSH instruction. Write a sequence of two other instructions that would accomplish the same as push eax.

sub esp,4

mov [esp],eax

5. (True/False): The RET instruction pops the top of the stack into the instruction pointer. True

6. What will be the final value in EAX after these instructions execute? 5

push 5

push 6

pop eax

pop eax

END