1. The SS and ESP registers are used to manage the stack. (2)

2. The PUSHFD is used to push all the 32-bit flags onto the stack and the POPFD is used to pop all the flags from the stack. (2)

Write the code that declares string and store your first name in the string. Then it should store your name one character at a time into the stack. (Remember to include all the required directives). (6)

```assembly
.data
.string BYTE  "Asma",0
nameSize BYTE ?

.code
main PROC

mov nameSize, LENGTHOF string
mov ecx, nameSize
sub ecx, 1
mov esi, 0

loop:
    movzx eax, string[esi]
    push eax
    inc esi

Loop loop

main ENDP
END main
```