

File: myenv.s

```
section .text
global _start
_start:
    ; store environment variables on stack:
    ;   aaa=1234   bbb=5678   cccc=1234
    xor    eax,eax                ; clear eax
    push   eax                    ; use 0 to terminate the string
    mov    edx,"4***"
    shl    edx,24
    shr    edx,24
    push   edx
    push   "=123"
    push   "cccc"
    push   eax                    ; use 0 to terminate the string
    push   "5678"
    push   "bbb="
    push   eax                    ; use 0 to terminate the string
    push   "1234"
    push   "abc="
    mov    ebx,esp

    ; setup environment array envp[] on stack
    push   eax                    ; envp[3] = 0
    mov    eax,ebx
    add    eax,24
    push   eax                    ; envp[2]
    mov    eax,ebx
    add    eax,12
    push   eax                    ; envp[1]
    push   ebx                    ; envp[1]
    mov    edx,esp                ; edx = address of environment array

    xor    eax, eax                ; clear eax
    push   eax                    ; use 0 to terminate the string
    push   "/env"
    push   "/bin"
    push   "/usr"
    mov    ebx, esp                ; ebx = address of "/usr/bin/env"

    ; setup argument array argv[] on stack
    push   eax                    ; argv[1] = 0
    push   ebx                    ; argv[0] points "/usr/bin/env"
    mov    ecx, esp                ; ecx = address of argv[]

    ; invoke execve()
    xor    eax, eax                ; eax = 0x00000000
    mov    al, 0x0b                ; eax = 0x0000000b
    int    0x80
```

Setup for `execve ()` to execute the command: `/usr/bin/env` with environment variables

