

Memory 1

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------------------|
| Address: 0x00404000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0x00404000 | 54 | 48 | 49 | 53 | 20 | 49 | 53 | 20 | 46 | 55 | 4e | 21 | 21 | 4e | 55 | 46 | 20 | 53 | 49 | 20 | 53 | 49 | 48 | 54 | 74 | ff | 19 | 00 | 00 | 00 | 00 | 00 | THIS IS FUN!!NUF SI SIHT |
| 0x00404020 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | ..... |
| 0x00404040 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | ..... |
| 0x00404060 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | ..... |
| 0x00404080 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | ..... |
| 0x004040A0 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | ..... |
| 0x004040C0 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | ..... |

Memory 1 Registers Watch 1

peter_ruszel_260_assign6.asm

```
31      , store the message "welcome home" in reverse order across the 32 16-bit registers
32
33      mov ax, "!N"
34      mov bx, "UF"
35      mov si, " S"
36      mov di, "I "
37      mov sp, "SI"
38      mov bp, "HT"
39
```

Registers

EAX = 00004E21 EBX = 00004655 ECX = 00004854 EDX = 00005448 ESI = 00005320 EDI = 00002049 EIP = 004010F2 ESP = 0019FF74 EBP = 00005448 EFL = 00000246

100 %

Memory 1

Registers

Watch 1

peter_ruszel_260_assign6.asm

```
31      , store the message "welcome home" in reverse order across the 32 x 64 registers
32
33      mov ax, "!N"
34      mov bx, "UF"
35      mov si, " S"
36      mov di, "I "
37      mov sp, "SI"
38      mov bp, "HT"
39
```

Memory 1

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------------------|-------|
| Address: | 0x00404000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0x00404000 | 48 | 45 | 4c | 4c | 4f | 20 | 57 | 4f | 52 | 4c | 44 | 21 | 21 | 44 | 4c | 52 | 4f | 57 | 20 | 4f | 4c | 4c | 45 | 48 | 74 | ff | 19 | 00 | 00 | 00 | 00 | 00 | HELLO WORLD!!DLROW OLLEH | |
| 0x00404020 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | ..... |
| 0x00404040 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | ..... |
| 0x00404060 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | ..... |
| 0x00404080 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | ..... |
| 0x004040A0 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | ..... |
| 0x004040C0 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | ..... |

Memory 1 Registers Watch 1

peter_ruszel_260_assign6.asm

```

31 ; store the message "welcome home" in reverse order across the 32 16-bit registers
32
33     mov ax, "!D"
34     mov bx, "LR"
35     mov si, "OW"
36     mov di, " 0"
37     mov sp, "LL"
38     mov bp, "EH"
39

```

Registers

EAX = 00004421 EBX = 0000524C ECX = 00004548 EDX = 00004845 ESI = 0000574F EDI = 00004F20 EIP = 004010F2 ESP = 0019FF74 EBP = 00004845 EFL = 00000246

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Memory 1 Registers Watch 1

peter_ruszel_260_assign6.asm

```
31      , store the message "welcome home" in reverse order across the 32 to 35 registers
32
33      mov ax, "!D"
34      mov bx, "LR"
35      mov si, "OW"
36      mov di, " 0"
37      mov sp, "LL"
38      mov bp, "EH"
39
40
```

| Memory 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|----|------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------------------|
| Address: | | 0x00404000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0x00404000 | 4d | 59 | 4e | 41 | 4d | 45 | 49 | 53 | 50 | 45 | 54 | 45 | 45 | 54 | 45 | 50 | 53 | 49 | 45 | 4d | 41 | 4e | 59 | 4d | 74 | ff | 19 | 00 | 00 | 00 | 00 | 00 | 00 | MYNAMEISPETEETEPSIEMANYM |
| 0x00404020 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | ..... |
| 0x00404040 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | ..... |
| 0x00404060 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | ..... |
| 0x00404080 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | ..... |
| 0x004040A0 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | ..... |
| 0x004040C0 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | ..... |

Memory 1 Registers Watch 1

peter_ruszel_260_assign6.asm

```

31      , store the message "welcome home" in reverse order across the six 16-bit registers
32
33      mov ax, "ET"
34      mov bx, "EP"
35      mov si, "SI"
36      mov di, "EM"
37      mov sp, "AN"
38      mov bp, "YM"
39
40

```

Registers

EAX = 00005445 EBX = 00005045 ECX = 0000594D EDX = 00004D59 ESI = 00004953 EDI = 00004D45 EIP = 004010F2 ESP = 0019FF74 EBP = 00004D59 EFL = 00000246

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Memory 1 Registers Watch 1

peter_ruszel_260_assign6.asm

```
31      , store the message "welcome home" in reverse order across the six 16-bit registers
32
33      mov ax, "ET"
34      mov bx, "EP"
35      mov si, "SI"
36      mov di, "EM"
37      mov sp, "AN"
38      mov bp, "YM"
39
```

Memory 1

Address: 0x00404000

[illegible]

| Memory 1 | Registers | Watch 1 |
|----------|-----------|---------|
|----------|-----------|---------|

peter_ruszel_260_assign6.asm

```
peter_rszet=0; assign holdsim(1); score = end message welcome home in reverse order across the box to see registers
```

```
32  
33     mov ax, "LK"  
34     mov bx, "JI"  
35     mov si, "HG"  
36     mov di, "FE"  
37     mov sp, "DC"  
38     mov bp, "BA"  
39
```

Registers

EAX = 00004B4C EBX = 0000494A ECX = 00004241 EDX = 00004142 ESI = 00004748 EDI = 00004546 EIP = 004010F2 ESP = 0019FF74 EBP = 00004142 EFL = 00000246

100 %

Memory 1 Registers Watch 1

peter_ruszel_260_assign6.asm

```
31      , store the message "welcome home" in reverse order across the six 16-bit registers
32
33      mov ax, "LK"
34      mov bx, "JI"
35      mov si, "HG"
36      mov di, "FE"
37      mov sp, "DC"
38      mov bp, "BA"
39
```


Memory 1

Address: 0x00404000

[illegible]

Memory 1 Registers Watch 1

peter_ruszel_260_assign6.asm

```
31     , store the message "welcome home" in reverse order across the 3x16 bit registers
32
33     mov ax, "?U"
34     mov bx, "OY"
35     mov si, " E"
36     mov di, "RA"
37     mov sp, " W"
38     mov bp, "OH"
39
```

Registers

EAX = 0000553F EBX = 0000594F ECX = 00004F48 EDX = 0000484F ESI = 00004520 EDI = 00004152 EIP = 004010F2 ESP = 0019FF74 EBP = 0000484F EFL = 00000246

100 %

Memory 1 Registers Watch 1

peter_ruszel_260_assign6.asm

```
31      , store the message "welcome home" in reverse order across the 32 16-bit registers
32
33      mov ax, "?U"
34      mov bx, "OY"
35      mov si, " E"
36      mov di, "RA"
37      mov sp, " W"
38      mov bp, "OH"
39
```