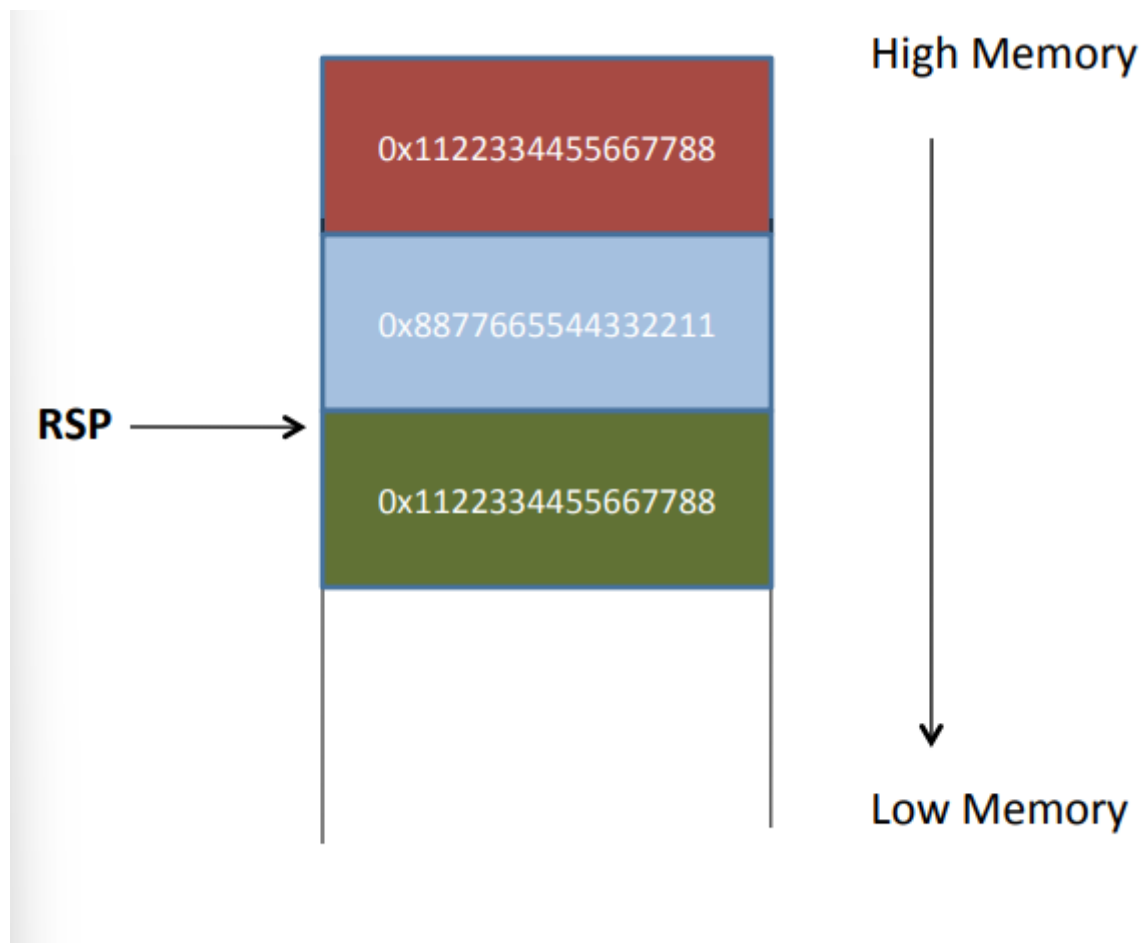


Stack



- It grows from high memory to low memory
- Top is always RSP Pointer
- RSP moves 8 bytes up and down According to push and pop

PUSH – Pushes a value onto the Stack

POP – Removes the topmost value from the Stack

RSP – Should point to top of Stack

Code :

```

global _start

section .text

_start:

    mov rax , 0x1122334455667788
    push rax ;Push to satck

    push qword [sample]
    pop r15
    pop r14
    pop rbx

    ;Exit
    mov rax , 60
    mov rdi , 1

section .data

    sample : db 0xaa , 0xbb, 0xcc ,0xdd, 0xee, 0xff, 0x11, 0x22

```

- To analyze it with gdb use `define hook-stop` inside gdb tui.
- Define `x/4xg` (Will show you the stack)
- `end`
- then Simply do `stepi` to debug forward
-