## Getchar() in disassembly

```
      0x40053f <main+8>
      lea
      rdi, [rip+0xc2]
      # 0x400608

      0x400546 <main+15>
      mov
      eax, 0x0

      0x40054b <main+20>
      call
      0x400430 <printf@plt>

      0x400550 <main+25>
      call
      0x400440 <getchar@plt>
```

Assignment of values is after getting input

```
gef⊳ ni
Enter your favorite keyboard character -> AAAA
```

Getchar() stores the input in the rax register

```
gef⊳ i r $rax
rax 0x41 0x41
gef⊳ |
```

Even when we entered 4 A's, it is still stored in the stack as one A(0x41)