### If input is A or x41

```
gef> x/bx $rbp-1
0x7fffffffffe41f: 0x41
```

## After getting input from user if, input is equals to 0x7e or ~, then do something

```
0x400557 <main+32> call 0x400440 <getchar@plt>
0x40055c <main+37> mov BYTE PTR [rbp-0x1], al
→ 0x40055f <main+40> cmp BYTE PTR [rbp-0x1], 0x7e
```

# When comparison is done, jump to exit if input is equal to the char being compared, else keep looping

0x400563	<main+44></main+44>	je	0x400567	<main+48></main+48>
0x400565	<main+46></main+46>	jmp	0x400557	<main+32></main+32>

# Main+48 = exit message - break

0x400567 <main+48></main+48>	nop		
0x400568 <main+49></main+49>	lea	rdi, [rip+0xc0]	# 0x40062f
0x40056f <main+56></main+56>	call	0x400430 <puts@plt></puts@plt>	

#### Main+32 = get single byte input – keep looping

0x400557 <m< th=""><th>nain+32&gt;</th><th>call</th><th>0x400440 &lt;</th><th>getchar@plt&gt;</th></m<>	nain+32>	call	0x400440 <	getchar@plt>
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# After getchar(), It means only get one byte

### Other notes

If input is equal to char being compared, zero flag is set

If input is not to char being compared, zero flag isnt set