

atoi and multiply

3 inputs

```
gef> c
Continuing.
Enter your height in inches: 1
```

```
gef> c
Continuing.
What temperature is it outside? 20
```

```
gef> c
Continuing.
Enter your favorite number: 10
```

```
23      tax1 = atoi(height) * atoi(favnum);
```

atoi(height)
0x31 = 1

```
→ 0x40063b <main+132>    lea    rax, [rbp-0x1c]
0x40063f <main+136>    mov    rdi, rax
0x400642 <main+139>    call  0x4004c0 <atoi@plt>
```

```
gef> x/wx $rbp-0x1c
0x7fffffffefe404: 0x000000a31
gef> 
```

```
gef> i r $eax
eax          0x1      0x1
gef> 
```

atoi(favnum)
0x3130 = 10 or 0xA

```
0x400649 <main+146>    lea    rax, [rbp-0x25]
0x40064d <main+150>    mov    rdi, rax
0x400650 <main+153>    call  0x4004c0 <atoi@plt>
```

```
gef> x/wx $rbp-0x25
0x7fffffffefe3fb: 0x000a3031
gef> █
```

```
gef> i r $eax
eax                                0xa      0xa
gef> █
```

1 * 10 = 10
so eax = 10 or 0xA

```
0x400655 <main+158>      imul    eax, ebx
0x400658 <main+161>      mov     DWORD PTR [rbp-0x14], eax
```

```
gef> x/wx $rbp-0x14
0x7fffffffefe40c: 0x0000000a
gef> █
```