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Thread: [MBps to Mbps converter! - Find your real download speed from the advertised ISP speed](#)

Chillae - January 14, 2016, 1:25 am

Hello, I haven't done any python in years, so I thought a simple project like this would get me going.

Basically this converts the speed in Mbps your ISP advertises their connections to be into your actual download speed. For example if your ISP offers a 100/20(Mbps) connection, your actual download speed in MBps would be 12/2.5

2.7:

```
Code print '-----General Information-----'
print 'Mbps (symbol Mbit/s or Mb/s): Megabit per second'
print 'MBps: Megabyte per second'
print '8 bits = 1 byte'
print '1 Mbps = 1,000,000 bits per second'
print '1 MBps = 1,000,000 bytes per second = 8,000,000 bits per second = 8 Mbps'
print '-----\n'
```

```
print('MBps is what your download speed is.')
print('Mbps is what your ISP says you shall get.')
```

Running = True

while Running == True:

```
    print('_____')
```

```
    Type = raw_input('\n\nPlease enter MBps or Mbps \n@>')
```

Converted = 0

if Type == 'MBps':

```
    print('You have entered MBps. Converting to Mbps.')
```

```
    Amount = input('Please enter your download speed \n@>')
```

```
    Converted = Amount*8
```

```
    print('Your download speed is: %sMBps. Your ISP list this speed as: %sMbps' % (Amount,
Converted))
```

elif Type == 'Mbps': #can also use: 'Mbps' in Type:

```
    print('You have entered Mbps. Converting to MBps.')
```

```
    Amount = input('Please enter your ISPs advertised speed \n@>')
```

```
    Converted = Amount/8
```

```
    print('Your ISP will say your speed is: %sMbps. Your actual download speed is: %sMBps' %
(Amount, Converted))
```

else:

```
    print('Please enter valid type')
```

```
End = input('\nEnter 1 to restart\n@>')
```

```
if End != 1:
```

```
    Running = FalseAny comments on how I could improve would be good too.
```

If anyone has any other small simple ideas that I should make please share them! I'm looking for anything that's fun and small that will help me learn. Any ideas!?