P1

Find the sum of NNs that are multiples of 3 and 5 but also less than 1000

Method 3

In[46]:=
```
999 / 3;
995 / 5;
990 / 15;
Threes = Sum[3 i, {i, 1, 333}]
Fives = Sum[5 i, {i, 1, 199}]
Fifteens = Sum[15 i, {i, 1, 66}]
Total = Threes + Fives - Fifteens
```

Out[49]= 166 833

Out[50]= 99 500

Out[51]= 33 165

Set: Symbol Total is Protected.

Out[52]= 233 168

possible hand written solution

In[60]:=
```
sumF[n_] = (n * (n + 1)) / 2;
threes = (3) sumF[333];
fives = (5) sumF[199];
fifteens = (15) sumF[66];
threes + fives - fifteens
```

Out[64]= 233 168