

Project Euler solutions with Python 3

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Problem 1

```
answer=0
for i in range(1,1000):
    if i%3==0 or i%5==0:
        answer+=i
print(answer)
```

Problem 2

```
answer, a, b = 0, 1, 2
while b < 4000000:
    if b%2==0:
        answer+=b
    a, b = b, a + b
print(answer)
```

Problem 3

```
k=600851475143
primeFactors=[]
while k>1:
    i=2
    while k%i!=0:
        i+=1
    k=k/i
    primeFactors.append(i)
print(primeFactors[len(primeFactors)-1])
```