

```
1  def g(s,gf,mi,lr):
2      s1=[s]
3      x=s1[-1]
4      for i in range(mi):
5          d=lr*gf(x)
6          x=x-d
7          s1.append(x)
8      return s1,x,lr
9  def gd_f(x):
10     return 8*x
11  list1,r,lr=g(3,gd_f,100,0.01)
12  print(r)
13  print(list1)
14  print(lr)
15
```