

```
1 import grpc
2 import time
3 from concurrent import futures
4 import calculator_grpc_pb2
5 import calculator_grpc_pb2_grpc
6
7
8 def serve():
9     grpc_server = grpc.server(futures.ThreadPoolExecutor(max_workers=10))
10    calculator_grpc_pb2_grpc.add_apiServicer_to_server(CalculatorServicer(),
    grpc_server)
11    grpc_server.add_insecure_port('[::]:9999')
12    grpc_server.start()
13    while True:
14        time.sleep(860000)
15
16
17 class CalculatorServicer(calculator_grpc_pb2_grpc.ApiServicer):
18
19     def add(self, request, context):
20         return calculator_grpc_pb2.num(num=(request.numOne+request .numTwo))
21
22     def sub(self, request, context):
23         return calculator_grpc_pb2.num(num=(request.numOne-request .numTwo))
24
25     def mul(self, request, context):
26         return calculator_grpc_pb2.num(num=(request.numOne*request .numTwo))
27
28     def div(self, request, context):
29         return calculator_grpc_pb2.num(num=(request.numOne/request .numTwo))
30
31     def sq(self, request, context):
32         return calculator_grpc_pb2.num(num=(request.num ** 0.5))
33
34 if __name__ == '__main__':
35     serve()
36
```