```
 1 def add(x, y):
 2     return x + y
 3 
 4 def subtract(x, y):
 5     return x - y
 6 
 7 def multiply(x, y):
 8     return x * y
 9 
10 def divide(x, y):
11     if y == 0:
12         return "Error! Division by zero."
13     else:
14         return x / y
15 
16 def calculator():
17     print("Simple Calculator")
18     print("Select operation:")
19     print("1. Add")
20     print("2. Subtract")
21     print("3. Multiply")
22     print("4. Divide")
23 
24     while True:
25         choice = input("Enter choice (1/2/3/4): ")
26 
27         if choice in ('1', '2', '3', '4'):
28             num1 = float(input("Enter first number: "
   ))
29             num2 = float(input("Enter second number
   : "))
30 
31             if choice == '1':
32                 print(f"{num1} + {num2} = {add(num1,
   num2)}")
33             elif choice == '2':
34                 print(f"{num1} - {num2} = {subtract(
   num1, num2)}")
35             elif choice == '3':
36                 print(f"{num1} * {num2} = {multiply(
   num1, num2)}")
```

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37              elif choice == '4':
38                  result = divide(num1, num2)
39                  print(f"{num1} / {num2} = {result}")
40
41              next_calculation = input("Do you want to
   perform another calculation? (yes/no): ")
42              if next_calculation.lower() != 'yes':
43                  break
44          else:
45              print("Invalid Input")
46
47 if __name__ == "__main__":
48     calculator()
49
```