Python calculator Code:

```
import math
def add(x, y):
  return x + y
def subtract(x, y):
  return x - y
def multiply(x, y):
  return x * y
def divide(x, y):
  if y == 0:
     return "Error! Division by zero."
  else:
     return x / y
def exponentiate(x, y):
  return x ** y
def calculator():
  print("Welcome to Simple Calculator")
  print("Select operation:")
  print("1. Add")
  print("2. Subtract")
  print("3. Multiply")
  print("4. Divide")
  print("5. Exponentiate")
  print("6. Quit")
  while True:
```

```
choice = input("Enter choice (1/2/3/4/5/6):")
     if choice in ('1', '2', '3', '4', '5'):
       num1 = float(input("Enter first number: "))
       num2 = float(input("Enter second number: "))
       if choice == '1':
          print("Result:", add(num1, num2))
       elif choice == '2':
          print("Result:", subtract(num1, num2))
       elif choice == '3':
          print("Result:", multiply(num1, num2))
       elif choice == '4':
          print("Result:", divide(num1, num2))
       elif choice == '5':
          print("Result:", exponentiate(num1, num2))
     elif choice == '6':
       print("Thank you for using Simple Calculator")
       break
     else:
       print("Invalid Input")
calculator()
```