```
class Calculator:
  def add(self, a, b):
     return a + b
  def subtract(self, a, b):
     return a - b
  def multiply(self, a, b):
     return a * b
  def divide(self, a, b):
    if b == 0:
       return "Error: Division by zero"
     return a / b
def save_to_file(result):
  with open("calculator_results.txt", "a") as file:
     file.write(result + "\n")
def view_past_results():
  try:
    with open("calculator_results.txt", "r") as file:
       print("\nPast Results:")
       print(file.read())
  except FileNotFoundError:
    print("\nNo past results found.")
def main():
  calc = Calculator()
```

```
while True:
  print("\nSimple Calculator")
  print("1. Add")
  print("2. Subtract")
  print("3. Multiply")
  print("4. Divide")
  print("5. View Past Results")
  print("6. Exit")
  try:
    choice = int(input("Choose an option (1-6): "))
  except ValueError:
    print("Invalid input. Please enter a number between 1 and 6.")
    continue
  if choice == 6:
    print("Exiting the calculator. Goodbye!")
    break
  if choice == 5:
    view_past_results()
    continue
  if choice not in [1, 2, 3, 4]:
    print("Invalid choice. Please choose a valid option.")
    continue
  try:
```

```
num1 = float(input("Enter the first number: "))
      num2 = float(input("Enter the second number: "))
    except ValueError:
      print("Invalid input. Please enter numeric values.")
      continue
    if choice == 1:
      result = f"{num1} + {num2} = {calc.add(num1, num2)}"
    elif choice == 2:
      result = f"{num1} - {num2} = {calc.subtract(num1, num2)}"
    elif choice == 3:
      result = f"{num1} * {num2} = {calc.multiply(num1, num2)}"
    elif choice == 4:
      result = f"{num1} / {num2} = {calc.divide(num1, num2)}"
    print(f"Result: {result}")
    save_to_file(result)
if __name__ == "__main__":
  main()
```