

```
class Calculator:
```

```
    def __init__(self):
```

```
        self.history = []
```

```
    def add(self, num1, num2):
```

```
        result = num1 + num2
```

```
        self.history.append(f"Added {num1} and {num2}, result = {result}")
```

```
        return result
```

```
    def subtract(self, num1, num2):
```

```
        result = num1 - num2
```

```
        self.history.append(f"Subtracted {num2} from {num1}, result = {result}")
```

```
        return result
```

```
    def multiply(self, num1, num2):
```

```
        result = num1 * num2
```

```
        self.history.append(f"Multiplied {num1} and {num2}, result = {result}")
```

```
        return result
```

```
    def divide(self, num1, num2):
```

```
        if num2 == 0:
```

```
            raise ZeroDivisionError("Cannot divide by zero")
```

```
        result = num1 / num2
```

```
        self.history.append(f"Divided {num1} by {num2}, result = {result}")
```

```
    return result
```

```
def print_history(self):
```

```
    for entry in self.history:
```

```
        print(entry)
```

```
def main():
```

```
    calculator = Calculator()
```

```
    while True:
```

```
        print("\nCalculator Menu:")
```

```
        print("1. Addition")
```

```
        print("2. Subtraction")
```

```
        print("3. Multiplication")
```

```
        print("4. Division")
```

```
        print("5. Print History")
```

```
        print("6. Quit")
```

```
    choice = input("Enter your choice (1-6): ")
```

```
    if choice in ['1', '2', '3', '4']:
```

```
        try:
```

```
            num1 = float(input("Enter the first number: "))
```

```
            num2 = float(input("Enter the second number: "))
```

```
        except ValueError:
```

```
            print("Invalid input")
```