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num1 = float(input("Enter first number: "))
operator = input("Enter operator (+, -, *, /): ")
num2 = float(input("Enter second number: "))

# Perform calculation based on operator
if operator == '+':
    result = num1 + num2
elif operator == '-':
    result = num1 - num2
elif operator == '*':
    result = num1 * num2
elif operator == '/':
    # Check for division by zero
    if num2 != 0:
        result = num1 / num2
    else:
        result = "Error: Division by zero"
else:
    result = "Error: Invalid operator"

# Display the result
print(f"{num1} {operator} {num2} = {result}")

```

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↩ Enter first number: 0
Enter operator (+, -, *, /): /
Enter second number: 1
0.0 / 1.0 = 0.0

```

```

def display_todo_list(todo_list):
    """Displays the to-do list."""
    if not todo_list:
        print("Your to-do list is empty!")
    else:
        print("Your To-Do List:")
        for index, item in enumerate(todo_list):
            print(f"{index + 1}. {item}")

def add_item(todo_list, item):
    """Adds an item to the to-do list."""
    todo_list.append(item)
    print(f"'{item}' added to your to-do list.")

def remove_item(todo_list, item_index):
    """Removes an item from the to-do list by index."""
    try:
        removed_item = todo_list.pop(item_index - 1)
        print(f"'{removed_item}' removed from your to-do list.")
    except IndexError:
        print("Invalid item number.")

def main():
    todo_list = []

    while True:
        print("\nChoose an action:")
        print("1. Display to-do list")
        print("2. Add item")
        print("3. Remove item")
        print("4. Exit")

        choice = input("Enter your choice (1-4): ")

        if choice == '1':
            display_todo_list(todo_list)
        elif choice == '2':
            item = input("Enter the item to add: ")
            add_item(todo_list, item)
        elif choice == '3':
            item_index = int(input("Enter the number of the item to remove: "))
            remove_item(todo_list, item_index)
        elif choice == '4':
            print("Exiting to-do list application.")
            break
        else:
            print("Invalid choice. Please enter a number between 1 and 4.")

```

```
if __name__ == "__main__":
    main()

...
Choose an action:
1. Display to-do list
2. Add item
3. Remove item
4. Exit
Enter your choice (1-4): 1
Your to-do list is empty!

Choose an action:
1. Display to-do list
2. Add item
3. Remove item
4. Exit
Enter your choice (1-4): 2
Enter the item to add: Read Novel
'Read Novel' added to your to-do list.

Choose an action:
1. Display to-do list
2. Add item
3. Remove item
4. Exit
Enter your choice (1-4): 2
Enter the item to add: eat lunch
'eat lunch' added to your to-do list.

Choose an action:
1. Display to-do list
2. Add item
3. Remove item
4. Exit
Enter your choice (1-4): 2
Enter the item to add: Go out for movie
'Go out for movie' added to your to-do list.

Choose an action:
1. Display to-do list
2. Add item
3. Remove item
4. Exit
Enter your choice (1-4): 1
Your To-Do List:
1. Read Novel
2. eat lunch
3. Go out for movie

Choose an action:
1. Display to-do list
2. Add item
3. Remove item
4. Exit
Enter your choice (1-4): 
```