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#Lists and Real Estate Analyzer Code
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```
# Function to get validated float input
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```
def getFloatInput(prompt):  
    while True:  
        try:  
            # Ask the user for input  
            user_input = input(prompt)  
            # Try to convert the input to float  
            value = float(user_input)  
            # Check if the value is positive and non-zero  
            if value > 0:  
                return value  
            else:  
                print("Please enter a positive, non-zero value.")  
        except ValueError:  
            print("Invalid input. Please enter a valid number.")
```

```
# Function to calculate the median of a list
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```
def getMedian(lst):  
    # Sort the list first  
    lst.sort()  
    n = len(lst)  
    # If the list length is odd, the median is the middle element  
    if n % 2 != 0:  
        median = lst[n // 2]  
    else:  
        # If the list length is even, the median is the average of the two middle elements  
        median = (lst[n // 2 - 1] + lst[n // 2]) / 2  
    return median
```

```
# Main function that runs the real estate analyzer
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```
def main():  
    sales_prices = [] # List to store user inputted sales prices  
    while True:  
        # Get user input for the sales price  
        sales_price = getFloatInput("Enter property sales value: ")  
        # Add the value to the list  
        sales_prices.append(sales_price)  
  
        # Ask if the user wants to enter another value  
        while True:  
            another = input("Enter another value Y or N: ").strip().lower()  
            if another == 'y':  
                break # Continue the loop to enter another value  
            elif another == 'n':  
                # Exit the loop and stop inputting values  
                break  
            else:  
                print("Please enter 'Y' or 'N'.")  
        if another == 'n':  
            break # Exit the main loop
```

```
# Sort the list from smallest to largest  
sales_prices.sort()
```

```
# Display the sorted list  
print("\nSorted Sales Prices:")  
for price in sales_prices:  
    print(f"${price:,.2f}")
```

```
# Calculate and display the minimum value  
min_value = min(sales_prices)  
print(f"\nMinimum Value: ${min_value:,.2f}")
```

```
# Calculate and display the maximum value  
max_value = max(sales_prices)  
print(f"Maximum Value: ${max_value:,.2f}")
```

```
# Calculate and display the total value  
total_value = sum(sales_prices)  
print(f"Total Value: ${total_value:,.2f}")
```

```
# Calculate and display the average value  
average_value = total_value / len(sales_prices)  
print(f"Average Value: ${average_value:,.2f}")
```

```
# Calculate and display the median value  
median_value = getMedian(sales_prices)  
print(f"Median Value: ${median_value:,.2f}")
```

```
# Calculate and display the commission (3% of total value)  
commission = total_value * 0.03  
print(f"Commission (3%): ${commission:,.2f}")
```

```
# Run the main function
```

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