```
Original List:
Student{name='Alice', age=25}
Student{name='Bob', age=21}
Student{name='Charlie', age=23}

List after sorting by age:
Student{name='Bob', age=21}
Student{name='Charlie', age=23}
Student{name='Alice', age=25}

Name: Alice
Age: 25
Name: Bob
Age: 30
Name: Charlie
Age: 22

LinkedList: [Apple, Banana, Cherry]
Modified LinkedList: [Banana, Cherry, Grapes]
Size: 3

Value corresponding to key 1: One
Value corresponding to key 2: Two
Value corresponding to key 3: Three
Dictionary contains key 2: true
Dictionary contains value 'Four': false
Dictionary after removing key 1: {3=Three, 2=Two}

List after adding elements: [Sita, Hari, Gita]
Element at index 1: Hari
List after changing element: [Sita, Hari, Shyam]
List after removing element at index 0: [Hari, Shyam]
Index of 'Hari': 0
Is the list empty? false
Size of the list: 2

Today is: WEDNESDAY
Halfway through the week.
Days of the week:
SUNDAY MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY SATURDAY

Wrapped Integer: 42
Wrapped Double: 3.14
Wrapped Character: A

Parsed integer: 12345

TreeMap: {Gita=22, Hari=30, Sita=25}
Modified TreeMap: {Gita=22, Hari=30, Nabin=28}
Size: 3
Iterating through TreeMap:
Name: Gita, Age: 22
Name: Hari, Age: 30
Name: Nabin, Age: 28

Vector after adding elements: [Apple, Banana, Cherry]
```

```
Pushed 10 onto the stack.
Pushed 20 onto the stack.
Is the stack empty: false
Is the stack full: true
Popped 20 from the stack.
Popped 10 from the stack.
Is the stack empty: true
Is the stack full: false
```

```
Red Green Blue Yellow
Yellow Blue Green Red
Modified List: [Red, Purple, Blue, Yellow]
```

```
String representation: 12345
```

```
e^x: 90.01713130052181
Logarithm base 10 of x: 0.6532125137753437
Natural logarithm of x: 1.5040773967762742
Square root of x: 2.1213203435596424
x raised to the power y: 20.25
```

```
Comparing 'apple' and 'banana': -1
Comparing 'banana' and 'apple': 1
Comparing 'apple' and 'apple': 0
```

```
Primitive int value: 42
Primitive double value: 3.14
Primitive char value: A
```

```
person1 equals person2: false
person1 equals person3: true
```

```
Age of Sita: 25
Age of Ram: 30
Does the map contain key 'Hari'? false
Names and Ages:
Name: Sita, Age: 25Name: Ram, Age: 30
Map after removing key 'Ram': {Sita=25}
```

```
Age of Sita: 25
Age of Hari: 30
Does the hashtable contain 'Gita'? true
Does the hashtable contain age 30? true
Hashtable after removing key 'Sita': {Hari=30, Gita=22}
Hashtable after clearing: {}
```

```
Apple Banana Cherry
List after removing 'Banana': [Apple, Cherry]
```