```
1 --> Type: Asset4 value1= 6.8, value2= 5.2, value3= 0.4
2 --> Type: Asset3 string1= August, string2= August
3 --> Type: Asset3 string1= May, string2= May
4 --> Type: Asset1 ivals= 485, svals= 16.4
5 --> Type: Asset1 ivals= 696, svals= 48.4
6 --> Type: Asset3 string1= March, string2= October
7 --> Type: Asset2 svals= (43.7,20.8), ivals= (621,915)
8 --> Type: Asset1 ivals= 869, svals= 43.3
9 --> Type: Asset4 value1= 2.9, value2= 4.6, value3= 0.0
10 --> Type: Asset1 ivals= 414, svals= 80.4
Linked list has successfully serialized and saved to 'linkedlist.bin'
Linked List has successfully deserialized from binary file!
Deserialized Linked List:
1 --> Type: Asset4 value1= 6.8, value2= 5.2, value3= 0.4
2 --> Type: Asset3 string1= August, string2= August
3 --> Type: Asset3 string1= May, string2= May
4 --> Type: Asset1 ivals= 485, svals= 16.4
5 --> Type: Asset1 ivals= 696, svals= 48.4
6 --> Type: Asset3 string1= March, string2= October
7 --> Type: Asset2 svals= (43.7,20.8), ivals= (621,915)
8 --> Type: Asset1 ivals= 869, svals= 43.3
9 --> Type: Asset4 value1= 2.9, value2= 4.6, value3= 0.0
10 --> Type: Asset1 ivals= 414, svals= 80.4
osmancan@osmancan-VirtualBox:~/Desktop/HW-12$
```

Randomly Generated Linked List:

```
2 --> Type: Asset1 ivals= 376, svals= 36.6
3 --> Type: Asset1 ivals= 182, svals= 73.5
4 --> Type: Asset2 svals= (42.0,94.6), ivals= (946,855)
5 --> Type: Asset1 ivals= 33. svals= 22.4
6 --> Type: Asset3 string1= September, string2= July
7 --> Type: Asset3 string1= June, string2= March
8 --> Type: Asset4 value1= 6.6, value2= 6.2, value3= 5.2
9 --> Type: Asset1 ivals= 17, svals= 4.1
10 --> Type: Asset1 ivals= 895, svals= 39.0
11 --> Type: Asset3 string1= May, string2= March
12 --> Type: Asset1 ivals= 604, svals= 30.1
Linked list has successfully serialized and saved to 'linkedlist.bin'
Linked List has successfully deserialized from binary file!
Deserialized Linked List:
1 --> Type: Asset2 svals= (69.2,52.6), ivals= (349,458)
2 --> Type: Asset1 ivals= 376, svals= 36.6
3 --> Type: Asset1 ivals= 182, svals= 73.5
4 --> Type: Asset2 svals= (42.0,94.6), ivals= (946,855)
5 --> Type: Asset1 ivals= 33, svals= 22.4
6 --> Type: Asset3 string1= September, string2= July
7 --> Type: Asset3 string1= June, string2= March
8 --> Type: Asset4 value1= 6.6, value2= 6.2, value3= 5.2
9 --> Type: Asset1 ivals= 17, svals= 4.1
10 --> Type: Asset1 ivals= 895, svals= 39.0
11 --> Type: Asset3 string1= May, string2= March
12 --> Type: Asset1 ivals= 604, svals= 30.1
osmancan@osmancan-VirtualBox:~/Desktop/HW-12$
```

Randomly Generated Linked List:

1 --> Type: Asset2 svals= (69.2,52.6), ivals= (349,458)

```
1 --> Type: Asset3 string1= June, string2= March
2 --> Type: Asset2 svals= (67.0,55.6), ivals= (653,30)
3 --> Type: Asset2 svals= (18.6,72.9), ivals= (109,930)
4 --> Type: Asset2 svals= (63.4,5.5), ivals= (771,975)
5 --> Type: Asset3 string1= January, string2= September
6 --> Type: Asset3 string1= October, string2= April
7 --> Type: Asset2 svals= (99.8,10.4), ivals= (142,27)
8 --> Type: Asset3 string1= June, string2= February
9 --> Type: Asset1 ivals= 847, svals= 81.8
10 --> Type: Asset3 string1= December, string2= April
11 --> Type: Asset1 ivals= 153, svals= 1.0
12 --> Type: Asset3 string1= November, string2= May
13 --> Type: Asset4 value1= 9.6, value2= 9.5, value3= 7.0
14 --> Type: Asset4 value1= 0.5, value2= 2.2, value3= 2.8
15 --> Type: Asset4 value1= 1.5, value2= 3.1, value3= 0.0
Linked list has successfully serialized and saved to 'linkedlist.bin'
Linked List has successfully deserialized from binary file!
Deserialized Linked List:
1 --> Type: Asset3 string1= June, string2= March
2 --> Type: Asset2 svals= (67.0,55.6), ivals= (653,30)
3 --> Type: Asset2 svals= (18.6,72.9), ivals= (109,930)
4 --> Type: Asset2 svals= (63.4,5.5), ivals= (771,975)
5 --> Type: Asset3 string1= January, string2= September
6 --> Type: Asset3 string1= October, string2= April
7 --> Type: Asset2 svals= (99.8,10.4), ivals= (142,27)
8 --> Type: Asset3 string1= June, string2= February
9 --> Type: Asset1 ivals= 847, svals= 81.8
10 --> Type: Asset3 string1= December, string2= April
11 --> Type: Asset1 ivals= 153, svals= 1.0
12 --> Type: Asset3 string1= November, string2= May
13 --> Type: Asset4 value1= 9.6, value2= 9.5, value3= 7.0
14 --> Type: Asset4 value1= 0.5, value2= 2.2, value3= 2.8
15 --> Type: Asset4 value1= 1.5, value2= 3.1, value3= 0.0
osmancan@osmancan-VirtualBox:~/Desktop/HW-12$
```

Randomly Generated Linked List: