1. **Add height and weight to Fluffy**

var cat = {

    name: 'Fluffy',

    activities: ['play', 'eat cat food'],

    catFriends: [

    {

    name: 'bar',

    activities: ['be grumpy', 'eat bread omblet'],

    weight: 8,

    furcolor: 'white',

    },

    {

    name: 'foo',

    activities: ['sleep', 'pre-sleep naps'],

    weight: 3

    }

    ]

   }

   console.log(cat);

   cat.height = 3;

   cat.weight = 3;

1. **Fluffy name is spelled wrongly. Update it to Fluffyy**
2. var cat = {
3. name: 'Fluffy',
4. activities: ['play', 'eat cat food'],
5. catFriends: [
6. {
7. name: 'bar',
8. activities: ['be grumpy', 'eat bread omblet'],
9. weight: 8,
10. furcolor: 'white',
11. },
12. {
13. name: 'foo',
14. activities: ['sleep', 'pre-sleep naps'],
15. weight: 3
16. }
17. ]
18. }
19. console.log(cat);
20. cat.name = ['Fluffyy'];
21. cat.height = 3;
22. cat.weight = 3;
23. **List all the activities of Fluffyy’s catFriends**.
24. var cat = {
25. name: 'Fluffy',
26. activities: ['play', 'eat cat food'],
27. catFriends: [
28. {
29. name: 'bar',
30. activities: ['be grumpy', 'eat bread omblet'],
31. weight: 8,
32. furcolor: 'white',
33. },
34. {
35. name: 'foo',
36. activities: ['sleep', 'pre-sleep naps'],
37. weight: 3
38. }
39. ]
40. }
41. console.log(cat);
42. cat.name = ['Fluffyy'];
43. cat.height = 3;
44. cat.weight = 3;
45. console.log(cat.catFriends[0].activities);
46. console.log(cat.catFriends[1].activities);
47. **Print the catFriends names**.
48. var cat = {
49. name: 'Fluffy',
50. activities: ['play', 'eat cat food'],
51. catFriends: [
52. {
53. name: 'bar',
54. activities: ['be grumpy', 'eat bread omblet'],
55. weight: 8,
56. furcolor: 'white',
57. },
58. {
59. name: 'foo',
60. activities: ['sleep', 'pre-sleep naps'],
61. weight: 3
62. }
63. ]
64. }
65. console.log(cat);
66. cat.name = ['Fluffyy'];
67. cat.height = 3;
68. cat.weight = 3;
69. console.log(cat.catFriends[0].name);
70. console.log(cat.catFriends[1].name);

**5. Print** **the total weight of catFriends**

var cat = {

    name: 'Fluffy',

    activities: ['play', 'eat cat food'],

    catFriends: [

    {

    name: 'bar',

    activities: ['be grumpy', 'eat bread omblet'],

    weight: 8,

    furcolor: 'white',

    },

    {

    name: 'foo',

    activities: ['sleep', 'pre-sleep naps'],

    weight: 3

    }

    ]

   }

   console.log(cat);

   cat.name = ['Fluffyy'];

   cat.height = 3;

   cat.weight = 3;

   var total\_weight = parseInt(cat.weight)+parseInt(cat.catFriends[0].weight)+parseInt(cat.catFriends[1].weight);

   console.log(cat.name+" "+parseInt(cat.weight));

   console.log(cat.catFriends[0].name+" "+parseInt(cat.catFriends[0].weight));

   console.log(cat.catFriends[1].name+" "+parseInt(cat.catFriends[1].weight));

   console.log(total\_weight +" Total Weight");

**6.** Print the total activities of all cats (op:6)

var cat = {

    name: 'Fluffy',

    activities: ['play', 'eat cat food'],

    catFriends: [

    {

    name: 'bar',

    activities: ['be grumpy', 'eat bread omlet'],

    weight: 8,

    furcolor: 'white',

    },

    {

    name: 'foo',

    activities: ['sleep', 'pre-sleep naps'],

    weight: 3

    }

    ]

   }

   console.log(cat);

   cat.name = ['Fluffyy'];

   cat.height = 3;

   cat.weight = 3;

   console.log(cat.name+" "+cat.activities);

   console.log(cat.catFriends[0].name+" "+cat.catFriends[0].activities);

   console.log(cat.catFriends[1].name+" "+cat.catFriends[1].activities);

1. **Add 2 more activities to bar & foo cats**

var cat = {

    name: 'Fluffy',

    activities: ['play', 'eat cat food'],

    catFriends: [

    {

    name: 'bar',

    activities: ['be grumpy', 'eat bread omlet'],

    weight: 8,

    furcolor: 'white',

    },

    {

    name: 'foo',

    activities: ['sleep', 'pre-sleep naps'],

    weight: 3

    }

    ]

   }

   console.log(cat);

   cat.name = ['Fluffyy'];

   cat.height = 3;

   cat.weight = 3;

   console.log(cat.name+" "+cat.activities);

   cat.catFriends[0].activities[2] = ['walk'];

   cat.catFriends[0].activities[3] = ['run'];

   cat.catFriends[1].activities[2] = ['walk'];

   cat.catFriends[1].activities[3] = ['jump'];

   console.log(cat.catFriends[0].name +" "+ cat.catFriends[0].activities);

   console.log(cat.catFriends[1].name+" "+ cat.catFriends[1].activities);

1. **Update the fur color of bar**

var cat = {

    name: 'Fluffy',

    activities: ['play', 'eat cat food'],

    catFriends: [

    {

    name: 'bar',

    activities: ['be grumpy', 'eat bread omlet'],

    weight: 8,

    furcolor: 'white',

    },

    {

    name: 'foo',

    activities: ['sleep', 'pre-sleep naps'],

    weight: 3

    }

    ]

   }

   console.log(cat);

   cat.name = ['Fluffyy'];

   cat.height = 3;

   cat.weight = 3;

   cat.catFriends[0].furcolor = ["Black"];

   console.log(cat.catFriends[0].name +" Fur Color: " + cat.catFriends[0].furcolor);