

Pedong, RJ Canishan D.
BSIT 2-1

To solve this version of the Einstein riddle, I systematically use the clues provided to determine the correct arrangement of houses, nationalities, pets, drinks, and devices. I will set up a table and fill in the information step by step.

Step-by-step Solution:

1. There are five houses in a row.
2. Each house has a different color.
3. Each house's owner has a different nationality, pet, drink, and device.

Let's begin by setting up our grid and applying the given clues one by one:

House #	1	2	3	4	5	
-----	-----	-----	-----	-----	-----	
Color						
Nationality	American					
Drink			Milk			
Pet						
Device						

Using the clues to fill in the grid:

1. American lives in the first house (Clue 9).
 - American lives next to the blue house (Clue 14), so the second house is blue.

2. Green house is immediately to the left of the white house (Clue 4).
 - Green house owner drinks coffee (Clue 5).
3. Filipino lives in the red house (Clue 1).
4. The center house's owner drinks milk (Clue 8).
5. The owner of the yellow house uses Oppo (Clue 7).
6. The one who has a desktop lives next to the one who owns a cat (Clue 10).
 - The owner who keeps the horse lives next to the one who has Oppo (Clue 11).
7. The owner who has an iPhone drinks rootbeer (Clue 12).
8. The German has a tablet (Clue 13).
9. The owner who owns a desktop lives next to the one who drinks water (Clue 15).
10. The Korean has dogs as pets (Clue 2).
11. The Indian drinks tea (Clue 3).
12. The owner who has a laptop owns a bird (Clue 6).

Let's start placing these clues into the grid where possible:

House #	1	2	3	4	5	
	-----	-----	-----	-----	-----	-----
Color	Yellow	Blue	Red	Green	White	
Nationality	American		Filipino			
Drink			Milk	Coffee		
Pet						
Device	Oppo					

Since the green house is to the left of the white house, the remaining unfilled house colors should be in this order.

Now let's fill in more details:

- American is in the first house, uses Oppo, and the house is yellow.
- The second house is blue, and the third house is red.
- The fourth house is green and the fifth house is white.

From Clue 4: Green house is to the immediate left of the white house.

The Filipino lives in the red house.

From Clue 8: The center house drinks milk.

House #	1	2	3	4	5	
	-----	-----	-----	-----	-----	-----
Color	Yellow	Blue	Red	Green	White	
Nationality	American		Filipino			

Drink			Milk	Coffee		
Pet						
Device	Oppo					

Now, the American lives in the first house, uses Oppo, and we need to figure out more.

From Clue 14, the American lives next to the blue house, so the second house is blue.

Now let's determine the other aspects:

Clue 3: The Indian drinks tea. We don't know which house yet, but we will keep it in mind.

Clue 6: The owner who has a laptop owns a bird.

Clue 7: The owner of the yellow house uses Oppo. The American.

Clue 10: The one who has a desktop lives next to the one who owns a cat.

Clue 11: The owner who keeps the horse lives next to the one who has Oppo. So second house has horses.

Clue 12: The owner who has an iPhone drinks rootbeer.

Clue 13: The German has a tablet.

Clue 15: The owner who owns a desktop lives next to the one who drinks water.

Based on the clues and the grid, the layout should be:

House #	1	2	3	4	5	
Color	Yellow	Blue	Red	Green	White	
Nationality	American	Indian	Filipino	German	Korean	
Drink	Water	Tea	Milk	Coffee	Rootbeer	
Pet		Horses		Fish	Dogs	
Device	Oppo	Desktop	Laptop	Tablet	iPhone	

Finally, it can be deduced from the clues that:

- The American in house 1 drinks water.
- The Indian in house 2 drinks tea.
- The Filipino in house 3 drinks milk.
- The German in house 4 drinks coffee.
- The Korean in house 5 drinks rootbeer.

The owner of the fish is the German in house 4.