Color Encoding

|  |  |
| --- | --- |
| **Color** | **HexCode** |
| Red | FF0000 |
| Green | 00FF00 |
| Blue | 0000FF |

Dogs

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Breed** | **Weight** | **Owner** |
| Ruff Stuff | Golden Retriever | 43.25 | Steve |
| Tiny | Daschund | 71.42 | Debra |
| Spike | Poodle | 12.86 | Henry |
| Mallow | Pomeranian | 8.12 | Sati |

Wavelengths

|  |  |
| --- | --- |
| **Color** | **Wavelength** |
| Red | 685 |
| Green | 537 |
| Blue | 472 |

1. How many tuples are there in the Dogs relation?
2. What is the result of ∏Name,Owner (Dogs)
3. What is the result of σWeight<15 (Dogs)