

ROSHAN POUDEL - DAILY 03					
Expressions	Guess Succeeds?	Value if Succeeds	Actual Results Succeeds?	Value if Succeeds	Guess Matched Actual Result?
a = 1	Y		1 Y		1 T
{c, d} = {2,3}	Y	c = 2, d = 3	Y	c = 2, d = 3	T
{x, :abc} = {123, :abc}	Y	x = 123, True	Y	x = 123	F
{x, y} = {333, :abc, "cat"}	N	NA	N	Match Error	T
{x, y, z} = { {:abc, 123}, 42, {:abc, 123} }	Y	x = {:abc, 123}, y=42, z = Y	Y	x = {:abc, 123}, y=42, z = {:abc, 123}	T
{x, y, x} = { {:abc, 123}, 42, {:abc, 123} }	Y	x = {:abc, 123}, y=42	Y	x = {:abc, 123}, y=42	T
{x, y, x} = { {:abc, 123}, 42, true }	Y	x = true, y = 42	N	Match Error (Reason: variables once bound to a value cannot be rebound to another value within the same scope)	F
"Elixir " <> rest = "Elixir Rocks!"	N	NA	Y	rest = "Rocks!"	F
[e, f, g] = [4, :five, [6, 7]]	Y	e = 4, f = :five, g = [6,7]	Y	e = 4, f = :five, g = [6,7]	T
[head tail] = [4, :five, [6, 7]]	Y	head = [4], tail = [:five, [6, Y	Y	head = 4, tail = [:five, [6,7]]	F
[head tail] = "cat"	N	NA	N	Match Error	T
[a, b, c tail] = [1, 2, 3, 4, 5, 6]	Y	a = [1], b = [2], c = [3], tail Y	Y	a = 1, b = 2, c = 3, tail = [4,5,6]	F
Q. Explain the purpose of the character in the list pattern matches, either by educated guess or reading upon it.					
1. Pattern Matching: The operator is used to split a list into the head (first element) and the tail (the remaining elements).					
2. List Construction: The operator can be used to prepend an element to the front of an existing list."					