

Lab-2 Solutions

Q-1 (a,b,e,f) are valid h is allowed but forbidden

FALSE	valid	FALSE/TRUE are valid variable name. True/False reserved words.
__xyzzzy	valid	
Cdn\$	Not valid	\$ not allowed
while	Not valid	Reserved word
0	valid	Weird variable name but valid.
Percent_Correct	valid	
3rdClass	Not valid	
input	valid but forbidden	Note that Python lets you use input as variable name but you must not use it.

Q-2 (a,b,c,e,f are valid)

x = y	Valid	assignment
x = - 5	Valid	
2 == x	Valid	Testing equality (same as x==2)
x + y = 2000	Not valid	Cannot handle equations
z = y - x	Valid	
x *= 5	Valid	
4 = x	Not valid	
x = 08	Not valid	
w = .2 e10	Not valid	
w = .2e 10	Not valid	

Q-3

My ID: I used 1234567 as example.

- $1234567/10 = 123456.7$
- $1234567//10 = 123456$
- $-1234567//10 = -123457$
- $1234567\%1000-10 = 567-10 = 557$
- $1234567*1.0 // 3 = 1234567.0//3 = 411522.0$ (Attention to decimal point. Result becomes float)
- $1234567-100.0 = 1234467.0$ (result becomes float since 100.0 is a float)
- True since $1234567\%2=1$ (1 != 0) If your ID is even, you should get False.