Introduction To Python – Quiz 5

Q1) You have two lists:

x = [1, 2]

y = [3,4]

You want to make a new list, z = [1,2,3,4]. What is the correct way to do this?

1. z = x + y
2. z = y + z
3. z = x.append(y)
4. z = y.append(x)

Q2) After running the following code, what is in the list "x"?

x = list()

x.append(2)

x = x + [1, 5, 6]

x[0] = 100

1. [2, 1, 5, 6]
2. [100, 1, 5, 6]
3. [2]
4. [1, 5, 6]

Q3) This code can count all the items in a list:

count = {}

for item in list:

    count[item] = count.get(item, 0) + 1

1. True
2. False

Q4) What will print out when this code runs?

x = ['Steve', 'Frank', 'Joe']

print(x[1])

1. Steve
2. Frank
3. Joe

Q5) What will print out when this code runs?

x = {"bananas": 12, "apples": 6, "carrots": 4}

print(x["carrots"])

1. carrots
2. apples
3. bananas
4. 12
5. 6
6. 4

Q6) This code will cause an error:

x = {"bananas": 12, "apples": 13}

print(x["carrots"])

1. True
2. False

Q7) Match each code to the job that it does:

|  |  |  |
| --- | --- | --- |
| x.append(5) |  | Counts how many times an item appears in a list |
| x = [1, 5] + [2, 4] |  | Add a new number to a list |
| count = {}  for thing in list:  count = count.get(thing, 0) + 1 |  | Add two lists together into a new list |

Q8) This code causes an error

x = [1, 5] + [‘steve’, ‘bill’]

1. True
2. False

Q9) What does this code do?

sum = 0

count = 0

while True:

    inp = input("Enter a number (or type 'done' to quit): ")

if inp == 'done':

        break

inp = float(inp)

    sum = sum + inp

count = count + 1

print(sum / count)

1. Tells you the **average** of all numbers entered by the user
2. Tells you the **total** of all numbers entered by the user
3. This code does not work