Aliza Shahzad

Module B.2 Level3 Answers

1. a) i) True and True==True

ii) True and False==False

iii) False and True==False

iv) False and False==False

b) There can be more equations if there are more comparisons.

c) AND is similar to + because it describes having a couple of items. It is different because it is words and math operators are signs.

1. a) i) True or True==True

ii) True or False==True

iii) False or True==True

iv) False or False==False

b) OR is similar to AND because it again describes having a couple of items and it is different because OR gives you options.

1. a) i) not(True or True)==False

ii) not(True or False)==False

iii) not(False or True)==False

iv) not(False or False)==True

b) The NOT&OR operation is similar to the AND operation because it gives a false result if one part of the comparison is true. It is different because it is 2 operations together and it gives a false answer for both parts being true and a true answer for both parts being false whereas AND gives a true answer for both parts bring true and a false answer for both parts being false.

1. a) i) not(True or True)==False

ii)not True or True==True

Both these answers are different because there are no brackets around True or True in the second expression. Python follows the order of operations and in that case, True or True is solved first in expression 1.

b) i)not(True and True)==False

ii)not True and True==False

Both these answers are the same because even though brackets are used in the first expression, the answer ends up the same in the end due to the logic of AND comparisons.

1. a) True or False

False and False

b)True or False==True

False and False==False

1. a) -Toronto Maple Leafs

-Toronto Raptors

b) Variable: teams

teams=[”Toronto Maple Leafs”, “Toronto Raptors”]

c) >>>teams

‘Toronto Maple Leafs, Toronto Raptors’

1. a) 1

b) IndexError

1. -Pink

-Blue

-Purple

Variable: colors

colors=[“Pink”, “Blue”, “Purple”]

Indexes:

colors[0]=’Pink’

colors[1]=’Blue’

colors[2]=’Purple’

1. mynumber=4

if mynumber==4:

print(“4”)

1. a) if myname ==”Aliza”

print(“Hi Aliza!”)

else:

print(“Stranger!”)

1. if myname == “Orna”:

print(“Hi Orna!”)

elif myname == “Yashna”:

print(“Hi Yashna!”)

elif myname == “Mahum”:

print(“Hi Mahum!”)

elif myname == “Kruti”:

print(“Hi Kruti!”)

else:

print(“Who are you?!?”)