

In [ ]: QUESTION NO 1. What are the two values of the boolean data types? how do you write Answer :  
True and False are two values of the boolen data types.  
We have to use capital T and F and with the rest of the word in lowercase

In [ ]: QUESTION NO :2 What are the three different types of Boolean operators? Answer: The three differnt types of Boolean operators in python are: or and not

In [ ]: QUESTION NO 3. Make a list of each Boolean operator's truth tables (i.e. every pos Answer:  
The Truth tables for the boolean tables are as follows:  
True represent T and False represnt F .  
Truth Table for and operaotor  
T and T is T  
T and F is F  
F and T is F  
F and F is F  
  
Truth Table for or operaotor  
T and T is T  
T and F is T  
F and T is T  
F and F is F  
  
Truth Table for not operaotor  
True not is False False not is True

In [ ]: QUESTION NO 4 : What are the values of the following expressions ?  
(5 > 4) and (3 == 5)  
not (5 > 4)  
(5 > 4) or (3 == 5)  
not ((5 > 4) or (3 == 5))  
(True and True) and (True == False)  
(not False) or (not True)  
  
Answer:  
False  
False  
True  
False  
False  
True

In [ ]: QUESTION NO : 5 What are the six comparison operators? Answer:  
The Six comparision operators available in python are:  
== , != , < , > , <= , >=

In [ ]: QUESTION NO : 6 How do you tell the difference between the equal to and assignment Answer:  
== is the equal to operator that compares two values and evaluates to a Boolean

In [ ]: QUESTION NO : 7 Identify the three blocks in this code:  
spam = 0  
if spam == 10:  
print('eggs')  
if spam > 5:  
print('bacon')  
else:  
print('ham')  
print('spam')  
print('spam')  
  
Answer: In Python, code block refers to a collection of code that is in the same block

In [ ]: QUESTION NO : 8 Write code that prints Hello if 1 is stored in spam, prints Howdy def spamCode(spam):  
if spam==1:  
print('Hello')  
elif spam==2:  
print('Howdy')  
else:  
print('Greetings')  
  
spamCode(1)  
spamCode(2)  
spamCode(3)

In [ ]: QUESTION NO : 9 If your programme is stuck in an endless loop, what keys you'll pr Answer:  
Press Ctrl-c to stop a program stuck in an infinite loop

In [ ]: QUESTION NO 10. How can you tell the difference between break and continue? Answer:  
The break statement will move the execution outside the loop if break condtion

In [ ]: QUESTION NO 11: 11. In a for loop, what is the difference between range(10), range Ans: The Differences are as follows:  
  
The range(10) call range from 0 to 9 (but not include 10)  
The range (0,10) explicitly tells the loop to start at 0  
The range(0,10,1) explicitly tells the loop to increase the variable by 1 on each

In [ ]: QUESTION NO :12 Write a short program that prints the numbers 1 to 10 using a for Answer:  
for i in range(1,11):  
print(i,end=",")  
i=1  
while(i<=10):  
print(i,end=",")  
i=i+1

In [ ]: QUESTION NO 13. If you had a function named bacon() inside a module named spam, ho Answer:  
This function can be called with spam.bacon()

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