AQ4.1: Activity Question 1 - Not graded

**This assignment will not be graded and is only for practice.**

**Note : This activity is for your practice purpose only. Your score in this will not count towards the Qualifier Process.**

State whether the following statements are true or false. (Answer the questions 1 & 2)

***1 point***

We can always find at least one pair of students with same date of birth in a single iteration.

True

False

***1 point***

Two nested iterations are sufficient to find pairs of students with same date of birth.

True

False

***1 point***

Consider the following statements:  
  
**Statement-1:** Student X*X* is compared with another student Y*Y* from Pile 1.  
**Statement-2:** Repeat statement-1 until Pile 1 is empty.  
**Statement-3:** The date of birth of student X*X* does not match with any other student in Pile 1.  
  
Based on the above statements choose the correct option below.

Both X*X* and Y*Y* can be discarded from the deck

We can discard Y*Y* and keep X*X* for further iterations

Both X*X* and Y*Y* are required for further iterations

We can discard X*X* and keep Y*Y* for further iterations