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| [InterviewQs](http://url4828.interviewqs.com/ls/click?upn=qwT-2Bl0U064-2B7oRNpPgUya7ecPmGRwE2khpP-2F5cNr-2FmX-2B6PqYxRHzWlRa-2B8ecgLBA9-2BqgBN6N-2BlN6LynvPDDX8gP5GJnL7P-2FdFw86KOd0IkE-3DWo8U_IX5HKWnhXeILdZHF1orS-2BlB9GK8lB7SYfPoy-2FMuH4KRohMZLpajhsnIOVcXh9Dl1-2FEM0gexeUVi2uV8saiYk-2BIoemGnh34m-2BtT-2BROOE0Lc-2Bkopd6Z27bKGuv7dOuQ73sXkNsOgMybAyt1cBiJAwdfrsAeeJh5bJa8Hot90W16qZ7R-2BtpW-2FgA186GOcU67cb60ed8wJ-2F6hPNOD0cxIKi8SWOxmx0jN7ECIkisihfQAZ-2BsvQC1zfL3U9nJpzWAEEwkO-2F4zKGhRXVgQpOKmy7J0WK-2BOmH5HJdXBbHzdeRY-2BfTbcIZysk-2BSe4M-2BUKOggZyS13NmKvm4ySc-2Buov-2Fw0pYWxZ9Mr3K3ja0D-2BXfiM6ti6UDc9EOB5pYmKvKhQZxvUdv0) |

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| **Points within an interval** |

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| ***Python, Data Structures, Arrays*** |

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| Suppose you are given P, which is list of j integer intervals, where j is the number of intervals. The intervals are in a format [a, b].  Given an integer z, can you return the number of overlapping intervals for point z?  For example:    #Input:    P = [[0, 2], [3, 7], [4, 6], [7, 8], [1 ,5]]    z = 5    #Output:    # 3    # At z = 5, there are 3 intervals that overlap. The intervals are: [3, 7], [4, 6], and [1, 5] |