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| [InterviewQs](http://url4828.interviewqs.com/ls/click?upn=qwT-2Bl0U064-2B7oRNpPgUya7ecPmGRwE2khpP-2F5cNr-2FmX-2B6PqYxRHzWlRa-2B8ecgLBA9-2BqgBN6N-2BlN6LynvPDDX8gP5GJnL7P-2FdFw86KOd0IkE-3DUSgs_IX5HKWnhXeILdZHF1orS-2BlB9GK8lB7SYfPoy-2FMuH4KRohMZLpajhsnIOVcXh9Dl1-2FEM0gexeUVi2uV8saiYk-2BIoemGnh34m-2BtT-2BROOE0Lc-2Bkopd6Z27bKGuv7dOuQ73sXkNsOgMybAyt1cBiJAwdfrsAeeJh5bJa8Hot90W16qZ7R-2BtpW-2FgA186GOcU67cb6MPX9mp7ie6O-2Bl2yRNslD-2B52QipF0ELDfAU28sg13I44Wg8YtqYgBGz0x6lsMrU98Eg-2BNJ7SQiXi5f0Pn5RyQVTrE-2BPDls1SshjEA7r-2F4BQvCqQoB2nnyAYQC9ci2B-2BswmhAgMX-2BeH7-2BYPcjjCDhjsts5sSEhSkOnn-2FC36zGGlJVvwfK85w2r9-2Bz1om9jAG8X) |

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| **Count of triplets** |

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

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| Given an array of unique integers and a sum value, can you write code to find the number of triplets with a sum smaller than the given value?  For example:    #Given the following    Array = [5, 1, 3, 4, 7]    Sum value = 12      #Output:    4    #Explanation:    #There are 4 triplets that have a sum less than 12:    #(1, 3, 4), (1, 3, 5), (1, 3, 7), and (1, 4, 5) |