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| **Name:** | Hanzla Jaffar |
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| **Assignment** | LIST |
| **Submitted to** | Muhammad Asad Arshed |
| **Question** | Find the sum pair of entered number from the list.  For Example,  **A= [10,20,30,40]**  **Entered Number=30**  **The Pair is = 10,20** |

**Source Code**

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| # Python3 program to find all pairs in  # a list of integers with given sum  def twosum(lst,sum):      lst.sort()      left = 0      right = len(lst) - 1      while(left <= right):          if(lst[left] + lst[right] > sum):              right = right - 1          elif(lst[left] + lst[right] < sum):              left = left + 1          elif(lst[left] + lst[right]  == sum):              print("Values of pair is or are", lst[left], "&" ,lst[right])              right = right - 1              left = left + 1  lst = [10,20,30,40]  sum = 30  twosum(lst, sum) |