"Q1. Create a python program to sort the given list of tuples based on integer value using a lambda function."

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In [4]: | 1=[('Sachin Tendulkar', 34357), ('Ricky Ponting', 27483), ('Jack Kallis', 25534),
  In [13]: sorted 1=sorted(1,key=lambda x: x[1])
print(sorted 1)
  In [14]: sorted 1
  Out[14]: [('Virat Kohli', 24936),
             ('Jack Kallis', 25534),
             ('Ricky Ponting', 27483),
             ('Sachin Tendulkar', 34357)]
            "Q2. Write a Python Program to find the squares of all the numbers in the given list of
            integers using lambda and map functions."
  In [15]: 11=[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
  In [16]: list(map(lambda x:x**2,l1))
  Out[16]: [1, 4, 9, 16, 25, 36, 49, 64, 81, 100]
            "Write a python program to convert the given list of integers into a tuple of strings. Use
            map and lambda functions Given String: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
  In [17]: string=[1,2,3,4,5,6,7,8,9,10]
  In [19]: list(map(lambda x:str(x),string))
  Out[19]: ['1', '2', '3', '4', '5', '6', '7', '8', '9', '10']
  In [22]: Q4. Write a python program using reduce function to compute the product of a list of
            from 1 to 25.
            from functools import reduce
            lst=list(range(1,26))
             product=reduce(lambda x,y:x*y,lst)
  In [23]: product
  Out[23]: 15511210043330985984000000
            Q5. Write a python program to filter the numbers in a given list that are divisible by 2 and 3
            using the filter function. [2, 3, 6, 9, 27, 60, 90, 120, 55, 46]
  In [24]: 12=[2, 3, 6, 9, 27, 60, 90, 120, 55, 46]
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In [28]: list(filter(lambda x: x//2 and x//3,12))
Out[28]: [3, 6, 9, 27, 60, 90, 120, 55, 46]
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Q6. Write a python program to find palindromes in the given list of strings using lambda and filter function. ['python', 'php', 'aba', 'radar', 'level']