

Q1. Given below is a dictionary having two keys 'Boys' and 'Girls' and having two lists of heights of five Boys and Five Girls respectively as values associated with these keys

Original dictionary of lists:

`{'Boys': [72, 68, 70, 69, 74], 'Girls': [63, 65, 69, 62, 61]}`

From the given dictionary of lists create the following list of dictionaries:

`[{'Boys': 72, 'Girls': 63}, {'Boys': 68, 'Girls': 65}, {'Boys': 70, 'Girls': 69}, {'Boys': 69, 'Girls': 62}, {'Boys': 74, 'Girls': 61}]`

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In [1]: Dict = {'Boys':[72,68,70,69,74], 'Girls':[63,65,69,62,61]}
keys = list(Dict.keys())
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data1 = Dict[keys[0]]
data2 = Dict[keys[1]]
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j = len(data1)
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res = []
for i in range(j):
    t1 = {}
    t1[keys[0]] = data1[i]
    t1[keys[1]] = data2[i]
    res.append(t1)
print(res)
```

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[{'Boys': 72, 'Girls': 63}, {'Boys': 68, 'Girls': 65}, {'Boys': 70, 'Girls': 69}, {'Boys': 69, 'Girls': 62}, {'Boys': 74, 'Girls': 61}]
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