

3D Objects/DEPI/ team_random_selection_code - X +

localhost:8888/notebooks/3D%20Objects/DEPI/team_random_selection_code.ipynb

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Team Random Selection Code :)

```
In [ ]: import random

# Define the four test lists
level1_list = [1, 2, 3, 4]
level2_list = ['a', 'b', 'c', 'd']
level3_list = [99, 88, 77, 66]
level4_list = ["15", "28", "35", "48"]
```

Think about a code that help us to have random new mixed lists, each list should have one element from each level lists.

Output may be like that following:

```
team1 = [1, 'c', 88, '28']
team2 = [4, 'a', 99, '35']
team3 = [2, 'b', 77, '48']
team4 = [3, 'd', 66, '15']
```

```
In [4]: # your code here
import random

def generate_random_mixed_lists(level1, level2, level3, level4):
    mixed_list = []
    random.shuffle(level1)
    random.shuffle(level2)
    random.shuffle(level3)
    random.shuffle(level4)

    # Create the mixed Lists
    for i in range(len(level1)):
        mixed_list.append([level1[i], level2[i], level3[i], level4[i]])

    return mixed_list
```

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```
In [4]: # your code here
import random

def generate_random_mixed_lists(level1, level2, level3, level4):
    mixed_list = []
    random.shuffle(level1)
    random.shuffle(level2)
    random.shuffle(level3)
    random.shuffle(level4)

    # Create the mixed Lists
    for i in range(len(level1)):
        mixed_list.append([level1[i], level2[i], level3[i], level4[i]])

    return mixed_list

# Define the four test lists
level1_list = [1, 2, 3, 4]
level2_list = ['a', 'b', 'c', 'd']
level3_list = [99, 88, 77, 66]
level4_list = ["15", "28", "35", "48"]

random_mixed_lists = generate_random_mixed_lists(level1_list, level2_list, level3_list, level4_list)

# Print the generated Lists
for list in random_mixed_lists:
    print(list)
```

```
[4, 'c', 99, '15']
[2, 'b', 77, '48']
[1, 'a', 66, '35']
[3, 'd', 88, '28']
```

```
In [5]: import random
```

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```
In [5]: import random

def generate_random_mixed_lists(level1, level2, level3, level4):
    mixed_lists = []
    for _ in range(len(level1)):
        mixed_list = [
            random.choice(level1),
            random.choice(level2),
            random.choice(level3),
            random.choice(level4)
        ]
        mixed_lists.append(mixed_list)
    return mixed_lists

# Define the four test lists
level1_list = [1, 2, 3, 4]
level2_list = ['a', 'b', 'c', 'd']
level3_list = [99, 88, 77, 66]
level4_list = ["15", "28", "3%", "40"]

random_mixed_lists = generate_random_mixed_lists(level1_list, level2_list, level3_list, level4_list)

# Print the generated lists
for list in random_mixed_lists:
    print(list)

[3, 'a', 88, '28']
[2, 'b', 88, '15']
[3, 'b', 77, '3%']
[4, 'a', 99, '40']
```

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