LAB:12

QUESTION:01

1 Create a list of different Cities of Pakistan and by using random module Shuffle that list.

INPUT

```python
import random2
list1=["karachi","lahore","sukkhur","hyderabad"]
random2.shuffle(list1)
print(list1)
```

OUTPUT:

['hyderabad', 'karachi', 'sukkhur', 'lahore']

Process finished with exit code 0

QUESTION:02

2 Define a list, consisting of names of different students, who are applying for a scholarship, pop an item from that list and transfer all items in a new list and apply sample method of random module to give scholarship to two students of new list.

INPUT

```python
import random2
list1=["aqsa","farwa","fatima","fizza","bushra"]
list1.pop()
print(list1)
print(random2.sample(list1,2))
```

OUTPUT

['aqsa', 'farwa', 'fatima', 'fizza']

['fatima', 'aqsa']

Process finished with exit code 0

QUESTION:03

3 Define two lists dice1 and dice2, holding numbers from 1 to 6 ,Design a python program that start playing with two dices for two players.

INPUT

```python
import random2
list1=[1,2,3,4,5,6]
list2=[1,2,3,4,5,6]
for i in range(0,6):
    print('for player1: ',random2.choice(list1))
    print("for player2: ",random2.choice(list2))
```

OUTPUT

for player1: 4

for player2: 2

for player1: 3

for player2: 6

for player1: 2

for player2: 2

for player1: 2

for player2: 1

for player1: 4

for player2: 6

for player1: 4

for player2: 5

Process finished with exit code 0