LAB:1

HAFSA TARIQ

391108

LAB TASK:3

```
spicy_foods = [
    {
        "name": "Green Curry",
        "cuisine": "Thai",
        "heat_level": 9,
    },
    {
        "name": "Buffalo Wings",
        "cuisine": "American",
        "heat_level": 3,
    },
    {
        "name": "Mapo Tofu",
        "cuisine": "Sichuan",
        "heat_level": 6,
    },
]

# 1. Correct the indentation and simplify the function.
def get_names(spicy_foods):
    return [food["name"] for food in spicy_foods]

my_list = get_names(spicy_foods)
print(my_list)

# 2. Correct the indentation and simplify the function.
def get_spiciest_foods(spicy_foods):
    return [food for food in spicy_foods if food["heat_level"] > 5]

my_list1 = get_spiciest_foods(spicy_foods)
print(my_list1)

# 3. No changes needed here.

# 4. Correct the indentation and add space after "Heat Level:".
def print_spicy_foods(spicy_foods):
    for food in spicy_foods:
        print(food["name"], "(", food["cuisine"], ") | Heat Level:", "ðŸŒ¶" * food["heat_level"])

# 5. No changes needed here.

# 6. Correct the indentation and remove the unnecessary "break" statement.
def get_spicy_food_by_cuisine(spicy_foods, x):
    for food in spicy_foods:
        if food["cuisine"] == x:
            print(food)

get_spicy_food_by_cuisine(spicy_foods, "American")
```

```
get_spicy_food_by_cuisine(spicy_foods, "American")

# 7. No changes needed here.

# 8. Correct the indentation.
def print_spiciest_foods(spicy_foods):
    for food in spicy_foods:
        if food["heat_level"] > 5:
            print(food["name"], "(", food["cuisine"], ") | Heat Level:", "ðŸŒ¶" * food["heat_level"])

# 9. No changes needed here.

# 10. Correct the indentation and calculate the average properly.
def get_average_heat_level(spicy_foods):
    total_heat_level = sum(food["heat_level"] for food in spicy_foods)
    average_heat_level = total_heat_level / len(spicy_foods)
    print("Average Heat Level is", average_heat_level)

get_average_heat_level(spicy_foods)

# 11. Correct the function and add the new spicy food to the list.
new_spicy_food = {'name': 'Griot', 'cuisine': 'Haitian', 'heat_level': 10}

def create_spicy_food(spicy_foods, new_spicy_food):
    spicy_foods.append(new_spicy_food)
    print(spicy_foods)

create_spicy_food(spicy_foods, new_spicy_food)
```

CODE:

```
========== RESTART: C:/Users/Z
oha/AppData/Local/Programs/Python/Python311/lab 2.py ==========
================================
['Green Curry', 'Buffalo Wings', 'Mapo Tofu']
[{'name': 'Green Curry', 'cuisine': 'Thai', 'heat_level': 9}, {'name': 'Mapo Tof
u', 'cuisine': 'Sichuan', 'heat_level': 6}]
{'name': 'Buffalo Wings', 'cuisine': 'American', 'heat_level': 3}
Average Heat Level is 6.0
[{'name': 'Green Curry', 'cuisine': 'Thai', 'heat_level': 9}, {'name': 'Buffalo
Wings', 'cuisine': 'American', 'heat_level': 3}, {'name': 'Mapo Tofu', 'cuisine'
: 'Sichuan', 'heat_level': 6}, {'name': 'Griot', 'cuisine': 'Haitian', 'heat_lev
el': 10}]
```