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**INPUT:**

```
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**

```
list1=[]
```

```
def get_names(spicy_foods):
```

```
for a in spicy_foods:
    list1.append(a["name"])
get_names(spicy_foods)
print(list1)
```

#2

```
list2=[]
def get_spiciest_foods(spicy_foods):
    for b in spicy_foods:
        if b["heat_level"] > 5:
            list2.append(b)
```

#3

```
get_spiciest_foods(spicy_foods)
print(list2)
```

#4

```
def print_spicy_foods(spicy_foods):
    for c in spicy_foods:
        print(c["name"], "(" ,c["cuisine"], ")" , " | Heat Level:" ,c["heat_level"]* "🌶️")
```

#5

```
print_spicy_foods(spicy_foods)
```

#6

```
def get_spicy_food_by_cuisine(spicy_foods,d):  
    for e in spicy_foods:  
        if e["cuisine"]==d:  
            print(e)  
            break  
get_spicy_food_by_cuisine(spicy_foods,"American")
```

#7

```
get_spicy_food_by_cuisine(spicy_foods,"Thai")
```

#8

```
def print_spiciest_foods(spicy_foods):  
    for f in spicy_foods:  
        if f["heat_level"] > 5:  
            print(f["name"],"(",f["cuisine"],")",",", " | Heat Level:",f["heat_level"]* "🌶️")
```

#9

```
print_spiciest_foods(spicy_foods)
```

#10

```
def get_average_heat_level(spicy_foods):  
    a=0  
    b=0  
    for c in spicy_foods:
```

```

a= c["heat_level"]+a

b=b+1

print("average_heat_level is",a/b)

get_average_heat_level(spicy_foods)


#11

new_list=[{'name':'Huo Guo','cuisine':'China','heat_level':7 }]

def create_spicy_food(spicy_foods,new_list):

    print(spicy_foods,new_list)

create_spicy_food(spicy_foods,new_list)

```

## OUTPUT:

```

= RESTART: C:\Users\ayesha\Downloads\Abdullah_habib_data_structures_food_task03.py
['Green Curry', 'Buffalo Wings', 'Mapo Tofu']
[{'name': 'Green Curry', 'cuisine': 'Thai', 'heat_level': 9}, {'name': 'Mapo Tofu', 'cuisine': 'Sichuan', 'heat_level': 6}]
Green Curry ( Thai ) | Heat Level: 🌶️🌶️🌶️🌶️🌶️🌶️
Buffalo Wings ( American ) | Heat Level: 🌶️🌶️
Mapo Tofu ( Sichuan ) | Heat Level: 🌶️🌶️🌶️🌶️
{'name': 'Buffalo Wings', 'cuisine': 'American', 'heat_level': 3}
{'name': 'Green Curry', 'cuisine': 'Thai', 'heat_level': 9}
Green Curry ( Thai ) | Heat Level: 🌶️🌶️🌶️🌶️🌶️🌶️
Mapo Tofu ( Sichuan ) | Heat Level: 🌶️🌶️🌶️🌶️
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': 'Huo Guo', 'cuisine': 'China', 'heat_level': 7}]
|

```