```
#Create a dictionary 'person' with keys "name", "age", and "city" and corresponding values "John", 25, and "New York". Print the dictiona

person = {
    "name": "John",
    "age": 25,
    "city": "New York"
}
print(person)
```

```
{'name': 'John', 'age': 25, 'city': 'New York'}
```

```
#Given the dictionary person = {"name": "Alice", "age": 30, "city": "London"}, add a new key-value pair "profession": "Engineer" using as

person = {
    "name": "Alice",
    "age": 30,
    "city": "London"
}
person["profession"] = "Engineer"
print(person)
```

```
{'name': 'Alice', 'age': 30, 'city': 'London', 'profession': 'Engineer'}
```

```
#Create a dictionary 'student' with keys "name", "grades", and "age" and corresponding values "Bob", [85, 90, 78], and 22. Use the .get()

student = {
    "name": "Bob",
    "grades": [85, 90, 78],
    "age": 22
}
print(student.get("grades"))
```

```
[85, 90, 78]
```

```
#Given the dictionary car = {"brand": "Toyota", "model": "Camry", "year": 2020}, update the value associated with the key "year" to 202

car = {
    "brand": "Toyota",
    "model": "Camry",
    "year": 2020
}
car["year"] = 2021
print(car)
```

```
{'brand': 'Toyota', 'model': 'Camry', 'year': 2021}
```

```
#Create a dictionary 'inventory' with keys "apples", "bananas", and "oranges" and corresponding values 10, 5, and 8. Use the .keys() met

inventory = {
    "apples": 10,
    "bananas": 5,
    "oranges": 8
}
print(inventory.keys())
```

```
dict_keys(['apples', 'bananas', 'oranges'])
```

```
#Given the dictionary inventory = {"apples": 10, "bananas": 5, "oranges": 8}, use the .values() method to print all the values in the di

inventory = {
    "apples": 10,
    "bananas": 5,
    "oranges": 8
}
print(inventory.values())
```

```
dict_values([10, 5, 8])
```

```
#Create a dictionary 'book' with keys "title", "author", and "year" and corresponding values "1984", "George Orwell", and 1949. Use the

book = {
    "title": "1984",
    "author": "George Orwell",
    "year": 1949
}
print(book.items())
```

```
dict_items([('title', '1984'), ('author', 'George Orwell'), ('year', 1949)])
```

```
#Given the dictionary `person = {"name": "Charlie", "age": 28, "city": "San Francisco"}, remove the key-value pair with the key "age" us


person = {
    "name": "Charlie",
    "age": 28,
    "city": "San Francisco"
}
person.pop("age")
print(person)
```

```
{'name': 'Charlie', 'city': 'San Francisco'}
```

```
#Create a dictionary 'employee' with keys "name", "position", and "salary" and corresponding values "Diana", "Manager", and 75000. Use t

employee = {
    "name": "Diana",
    "position": "Manager",
    "salary": 75000
}
employee.update({"salary": 80000, "department": "Sales"})
print(employee)
```

```
{'name': 'Diana', 'position': 'Manager', 'salary': 80000, 'department': 'Sales'}
```

```
#Given the dictionary movie = {"title": "Inception", "director": "Christopher Nolan", "year": 2010}, use the .popitem() method to remove



movie = {
    "title": "Inception",
    "director": "Christopher Nolan",
    "year": 2010
}
removed_pair = movie.popitem()
print("Removed pair:", removed_pair)
print("Updated dictionary:", movie)
```

```
Removed pair: ('year', 2010)
Updated dictionary: {'title': 'Inception', 'director': 'Christopher Nolan'}
```

```
Start coding or generate with AI.
```