|  |  |
| --- | --- |
| EX:NO:5b | . Implementing real-time/technical applications using Sets, Dictionaries. (Components of an automobile) |
| Date: |

**Aim:**

To Implementing real-time/technical applications using Sets, Dictionaries. (Components of an automobile)

**Algorithm:**

Step1: Start the program

Step2: Assign the Components of automobile

Step3: Perform all the set operation

Step4: Perform all the Dictionary operation

Step5: Print the result

Step6: End the program

**Program:**

component1={"Engine","Chasis","Radiator","Silencer"}

component2={"Silencer","Petrol Tank","Steering"}

print(component1)

print(component2)

component1.add("Mirror")

print(component1)

**#Set methods**

print(component1|component2)

print(component1&component2)

print(component1-component2)

print(component2-component1)

**#Dictionary methods**

car = {

"brand": "Ford",

"model": "Mustang",

"year": 1964

}

car.update({"color": "White"})

print(car)

x = car.items()

print(x)

x = car.keys()

print(x)

**Result:**