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| EX:NO:5c | . Implementing real-time/technical applications using Sets, Dictionaries. ( Elements of a civil structure ) |
| Date: |

**Aim:**

To Implementing real-time/technical applications using Sets, Dictionaries.

(Elements of a civil structure )

**Algorithm:**

Step1: Start the program

Step2: Assign the Elements of Civil Structure

Step3: Perform all the Set Operation

Step4: Perform all the Dictionary Operation

Step5: Print the result

Step6: End the program

**Program:**

element1={"Foundation","Columns","Walls","Beams"}

element2={"Concrete-Slab","Parapet","Door-Frame","Foundation"}

print(element1)

print(element2)

element1.add("Window-frame")

print(element1)

**#Set methods**

print(element1|element2)

print(element1&element2)

print(element1-element2)

print(element2-element1)

**#Dictionary methods**

building={

"Cement-Brand":"RAMCO",

"Brick-Type":"Burnt-claybricks",

"Beam-Company":"AGNI-Steels"

}

building.update({"BrickType":"Sand-Lime Bricks"})

print(building)

x = building.items()

print(x)

x = building.keys()

print(x)

**Result:**