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I make this assignment using java programming language. Java files can be found in src/ folder.

Here is my complete workflow:

### 1. Create Operation

Runner (1) [Java Application] C:\Program Files\Java\jre1.8.0\_162\bin\javaw.exe (Jan 1, 2021, 7:44:49 PM)

Do you want to give path or name to your database,if not we will create a file with default name as database.properties

Enter 1 for yes 2 for no and any key for exit

2

Choose your operation 1.create 2.update 3.read 4.delete or enter any other key to exit

1

Enter Key

Person1

As per requirement JSON object which contain name,age,city of a person is required to store as value

Enter Name

Jones

Enter Age as int value

22

Enter city

Tornato

Choose your operation 1.create 2.update 3.read 4.delete or enter any other key to exit

1

Enter Key

Person2

As per requirement JSON object which contain name,age,city of a person is required to store as value

Enter Name

Clark

Enter Age as int value

23

Enter city

Pune

Choose your operation 1.create 2.update 3.read 4.delete or enter any other key to exit

1

Enter Key

Person3

As per requirement JSON object which contain name,age,city of a person is required to store as value

Enter Name

Michal

Enter Age as int value

34

Enter city

Bengluru

Either Choose default database  
or give absolute path of  
database with file name as  
.properties extension

Create Operation

## File After Create Operation

```
1 #Fri Jan 01 20:07:05 IST 2021
2 Person3={"city":"Bengluru","name":"Michal","age":34}
3 Person2={"city":"Pune","name":"Clark","age":23}
4 Person1={"city":"Tornato","name":"Jones","age":22}
5
```

← File Looks Like This

## 2. Update Operation

```
Choose your operation 1.create 2.update 3.read 4.delete or enter any other key to exit
2
Enter Key
Person1
As per requirement JSON object which contain name,age,city of a person is required to store as value
Enter Name
Virat
Enter Age as int value
33
Enter city
Mumbai
Choose your operation 1.create 2.update 3.read 4.delete or enter any other key to exit
```

← Update Operation

## File After Update Operation

```
1 #Fri Jan 01 20:10:09 IST 2021
2 Person3={"city":"Bengluru","name":"Michal","age":34}
3 Person2={"city":"Pune","name":"Clark","age":23}
4 Person1={"city":"Mumbai","name":"Virat","age":33}
5
```

← Person1 After Uddation

## 3. Read Operation

```
Choose your operation 1.create 2.update 3.read 4.delete or enter any other key to exit
3
Enter Key
Person2
{"city":"Pune","name":"Clark","age":23}
Choose your operation 1.create 2.update 3.read 4.delete or enter any other key to exit
```

← Read Operation

#### 4. Delete Operation

Choose your operation 1.create 2.update 3.read 4.delete or enter any other key to exit

4

Enter Key

Person2

key deleted successfully

← Delete Operation

```
1 #Fri Jan 01 20:15:47 IST 2021
```

```
2 Person3={"city":"Bengluru","name":"Michal","age":34}
```

```
3 Person1={"city":"Mumbai","name":"Virat","age":33}
```

```
4
```

← File After Delete Operation

#### 5. Application Termination

Choose your operation 1.create 2.update 3.read 4.delete or enter any other key to exit

5

Application Terminated

← Application Terminated