

* JVM Assignment :

1) Program 1 :

```
class ShaerIt {
    static int uninstall_Count = 1000000;
    int rating = 0; // out of 5

    void getRating() {
        System.out.println("Rating Given by User : "
            + rating);
    }

    static void getUnct() {
        System.out.println("Uninstall Count : " + uninstall
            - Count);
    }
}
```

```
public static void main (String args[]) {
```

```
    ShaerIt user1 = new ShaerIt();
    user1.rating = 2;
    user1.getRating();
    user1.getUnct();
```

```
    ShaerIt user2 = new ShaerIt();
    user2.getRating();
    user2.uninstall_Count = 2000000;
    user2.getUnct();
```

```
}
}
```

o/p :-

Rating Given by User : 2
Uninstall Count : 1000000

Rating Given by User : 0
Uninstall Count : 2000000

CLASS
Loader
Subsystem

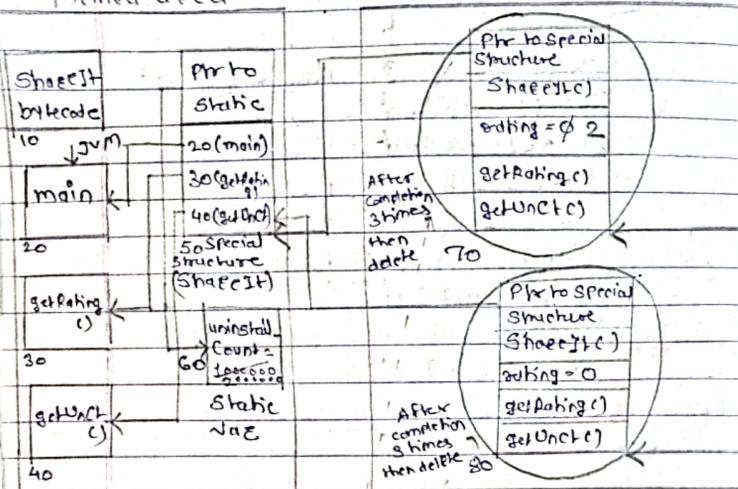
ShareIt
class

PAGE:
DATE:

PAGE:
DATE:

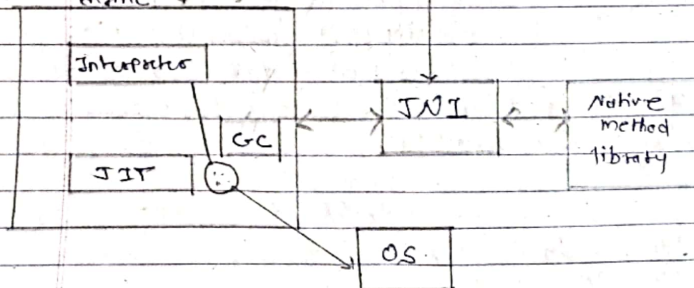
Method area

Heap



Runtime Data Storage

Execution Engine



```

Println() { ... }
getUnct() { ... }
Println() { ... }
getRating() { ... }
Println() { ... }
System.out.println("Uninstall Count" + uninstall - Count);
Synchronized(this) {
    Println() { ... }
}
System.out.println("Rating Given by User" + rating);
ShareIt User1 = new ShareIt();
User1.rating = 2;
User1.getRating();
User1.getUnct();
ShareIt User2 = new ShareIt();
User2.getRating();
User2.uninstall - Count = 2000000;
User2.getUnct();
    
```

Java Stack

PC Register

Native Method

27 Program 2 :

class IndianArmy {

static int gun-Count = 2000000;

int tank-Count = 0;

void getTKct() {

System.out.println("Tank count in J&K:" + tank-Count);

}

static void getGnct() {

System.out.println("Total Gun in India:" + gun-Count);

}

}

class IndianNavy {

static int navy-Count-world = 7;

int personnel-Count = 0;

void getPlct() {

System.out.println("Mumbai Navy Personnel Count:" + personnel-Count);

}

static void getRank() {

System.out.println("Indian Navy Rank in World:" + navy-Count-world);

}

}

class IndianAirForce {

static int m3021-Count = 0;

int helicopter-Count = 0;

void getHelict() {

System.out.println("Helicopter from Russia Count:" + helicopter-Count);

}

static void getM3021ct() {

System.out.println("M3021 from Russia Count:" + M3021-Count);

}

public static void main(String args[]) {

IndianArmy JK = new IndianArmy();

JK.tank-Count = 70;

JK.getTKct();

JK.getGnct();

IndianNavy Mumbai = new IndianNavy();

Mumbai.personnel-Count = 2500;

Mumbai.getPlct();

Mumbai.getRank();

IndianAirForce Russia = new IndianAirForce();

Russia.M3021-Count = 12;

Russia.helicopter-Count = 180;

Russia.getHelict();

Russia.getM3021ct();

}

}

Output :

Tank Count in J&K : 70

Total Gun in India : 1000000

Mumbai Navy Personnel Count : 2500

India Navy Rank in world : 7

Helicopter from Russia Count : 130

MTG-21 from Russia Count : 12

Runtime Data stree

Method Area

Heap

