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Roll – 48 3rd year 5th sem

LAB 9

1a)

```
class staticDemo{

    static int a,b;

    void member(int num){

        System.out.println("a: "+a);

        System.out.println("b: "+b);

        System.out.println(num);

    }

    static{

        System.out.println("a is initialized");

        a = 5;

    }

    static{

        System.out.println("b is initialized");

        b = 4 * a;

    }

}

public class problem_1 {

    public static void main(String[] args) {

        staticDemo st = new staticDemo();

        st.member(4);

    }

}
```

```
}
```

Output :

```
a is initialized
b is initialized
a: 5
b: 20
4
```

1b)

```
public class problem_1_part2 {

    class nomain{

        static {

            System.out.println("Static method is called");

        }

    }

}
```

Output :

```
Error: Main method not found in class d9p1b, please define the main method as:
    public static void main(String[] args)
or a JavaFX application class must extend javafx.application.Application
```

2)

```
class parent{

    static void display1(){

        System.out.println("display 1 of parent class");

    }

}

class child extends parent{

    static void display1(){

        System.out.println("display 1 of child class");

    }

}
```

```
    }  
}  
  
public class problem_2 {  
  
    public static void main(String[] args) {  
  
        parent pt1 = new parent();  
  
        parent pt2 = new child();  
  
        pt1.display1();  
  
        pt2.display1();  
  
    }  
}
```

Output :

```
display 1 of parent class  
display 1 of parent class
```