Java Quiz

## Code

class Person {

    private int age;

    private String name;

    public Person(int A, String N) {

        age = A;

        name = N;

    }

    public void display() {

        System.out.println("Name: " + name);

        System.out.println("Age: " + age);

    }

}

class Student extends Person {

    private int rollNo;

    private String branch;

    public Student(int A, String N, int R, String B) {

        super(A, N);

        rollNo = R;

        branch = B;

    }

    public void display() {

        super.display();

        System.out.println("Roll Number: " + rollNo);

        System.out.println("Branch: " + branch);

    }

}

class Employee extends Person {

    private int empID;

    private String DOJ;

    public Employee(int A, String N, int E, String D) {

        super(A, N);

        empID = E;

        DOJ = D;

    }

    public void display() {

        super.display();

        System.out.println("Employee ID: " + empID);

        System.out.println("Date of Joining: " + DOJ);

    }

}

class Staff extends Employee {

    private String designation;

    public Staff(int A, String N, int E, String D, String Des) {

        super(A, N, E, D);

        designation = Des;

    }

    public void display() {

        super.display();

        System.out.println("Designation: " + designation);

    }

}

class Faculty extends Employee {

    private String designation;

    public Faculty(int A, String N, int E, String D, String Des) {

        super(A, N, E, D);

        designation = Des;

    }

    public void display() {

        super.display();

        System.out.println("Designation: " + designation);

    }

}

public class MainDemoClass {

    public static void main(String[] args) {

        Person P = new Person(18, "Shreya");

        Student S = new Student(18, "Dohit", 20124028, "IT");

        Employee E = new Employee(27, "Aarush", 20124001, "20-01-2012");

        Staff St = new Staff(27, "Aashima", 20124002, "20-02-2012", "technical");

        Faculty F = new Faculty(28, "Vaiibhav", 20124108, "15-03-2015", "Professor");

        System.out.println("Person:");

        P.display();

        System.out.println();

        System.out.println("Student:");

        S.display();

        System.out.println();

        System.out.println("Employee:");

        E.display();

        System.out.println();

        System.out.println("Staff:");

        St.display();

        System.out.println();

        System.out.println("Faculty:");

        F.display();

        System.out.println();

    }

}

MainDemoClass {

    public static void main(String[] args) {

        Person P = new Person(18, "Shreya");

        Student S = new Student(18, "Dohit", 20124028, "IT");

        Employee E = new Employee(27, "Aarush", 20124001, "20-01-2012");

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        Faculty F = new Faculty(28, "Vaiibhav", 20124108, "15-03-2015", "Professor");

        P.display();

        System.out.println();

        S.display();

        System.out.println();

        E.display();

        System.out.println();

        St.display();

        System.out.println();

        F.display();

        System.out.println();

    }

}

## Output

