

3. Create a class Insurance policy. Divide two classes
~~name~~ vehicle and health

```
import java.util.*;  
class Insurance-policy  
{  
    int policy-holder-id;  
    String Name;  
    String Address;  
    int age;  
    Scanner sc = new Scanner(System.in);  
    void getdetails()  
    { System.out.println("Enter policy holder Id:");  
      policy-holder-id = sc.nextInt();  
      System.out.println("Enter Name: \n");  
      Name = sc.nextnext();  
      System.out.println("Enter age Address: \n");  
      Address = sc.next();  
      System.out.println("Enter Age:");  
      Age = sc.nextInt();  
    }  
    void display()  
    { System.out.println("Policy holder id: "+policy-holder-id);  
      System.out.println("Name: "+Name);  
      System.out.println("Address: "+Address);  
      System.out.println("age: "+age);  
    }  
}  
class vehicle extends Insurance-policy  
{  
    String model;  
    int year of maint;  
    int policytype;
```



```

void getdetails() {
    super.getdetails();
    System.out.print("enter model: \n");
    model = sc.next();
    System.out.print("enter year of manufacture: \n");
    yearofmand = sc.nextInt();
    System.out.print("Enter policy type: \n");
    policytype = sc.nextInt();
}

```

```

}
class health extends Insurance-policy
{
    int policytype;
    void getdetails() {
        super.getdetails();
        System.out.println("enter policy type: ");
        policytype = sc.nextInt();
    }
}

```

```

public class testn {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int i, j, n, m;
        System.out.println("Enter no of vehicle policy");
        m = sc.nextInt();
        vehicle[] v = new vehicle[m];
        System.out.println("Enter no of health policy");
        n = sc.nextInt();
        health[] h = new health[n];
        for (i = 0; i < m; i++)
        {
            System.out.print("Enter details of vehicle policy\n + (i+1)");
            v[i] = new vehicle();
            v[i].getdetails();
        }
    }
}

```



```
for (i=0; i<n; i++)
```

```
{  
    System.out.println("Enter details of health policy " + (i+1));  
    h[i] = new health();  
    h[i].getdetail();  
}
```

```
System.out.print("Vehicle policy holder details  
for (i=0; i<m; i++)
```

```
{  
    v[i].display();  
}
```

```
System.out.print("health policy holder details");
```

```
for (i=0; i<n; i++)
```

```
{ h[i].display();  
}
```

```
int count = 0;  
System.out.print("Name of people who have both  
health and vehicle policy:");
```

```
for (i=0; i<m; i++)
```

```
for (j=0; j<n; j++)
```

```
{ if (v[i].policy_holder_id == h[j].policy_holder_id)
```

```
{  
    System.out.print(v[i].Name);  
    count++  
}
```

```
}  
}
```

```
System.out.print("number of people who have  
both health and vehicle policy: " + count);
```

```
}
```

```
}
```