### **Basic concepts of Disjoint Set Union**

**Answer the following Questions:**

### 1. What is Disjoint Set Union (DSU)?

### 2. What are the applications of DSU?

### 3. How does the Find operation work?

### 4. How does the Union operation work?

### 5. What is Path Compression in DSU?

### 6. What is Union by Rank in DSU?