**Documentation Reference: https://registry.terraform.io/providers/hashicorp/aws/latest/docs**

**Without Infra-as-code:**

> Manual Resource Creation

> Takes time

> Follow the sequence

create sg, create ec2, create R53 records

> we need to check each and every resource and note down manually

> Cost analysis

**Infra-as-code:**

**1. version control**

**2. Same infra across environments**

**3. CRUD Automation**

**4. Inventory (list of resources)**

**5. Dependency (automatic Dependency)**

**6. Cost optimization**

**7. Code reuse (modules)**

**8. State Management**

**Variables**

**Datatypes**

**Conditions**

**functions**

**loops**

**Terraform related concepts --> Outputs, locals, data sources,count, dynamic blocks**