

## Snowflake End-To-End ELT Pipeline

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### Step – 1

- Create virtual env.  
python -m venv venv  
venv\Scripts\activate

### Step – 2 [Snowflake Setup]

- Create Database [ecommerce\_db]
- Create Schema [bronze, silver, gold]
- Create Target Table [customers, orders, order\_items, products, payments]
- File Format [ecommerce\_csv\_format]
- Storage Integration [ecommerce\_s3\_integration]
- External Stage
- Pipe Object

### Step – 3 [AWS Setup]

- Create S3 bucket [ecommerce-pipeline-bucket01]
- Create separate folders inside S3 (bucket) like – customers, order\_items, orders, payments, products
- IAM Role [policy – AmazonS3FullAccess]

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Principal": {
        "AWS": "STORAGE_AWS_IAM_USER_ARN"
      },
      "Action": "sts:AssumeRole",
      "Condition": {
        "StringEquals": {
          "sts:ExternalId": "STORAGE_AWS_EXTERNAL_ID"
        }
      }
    }
  ]
}
```