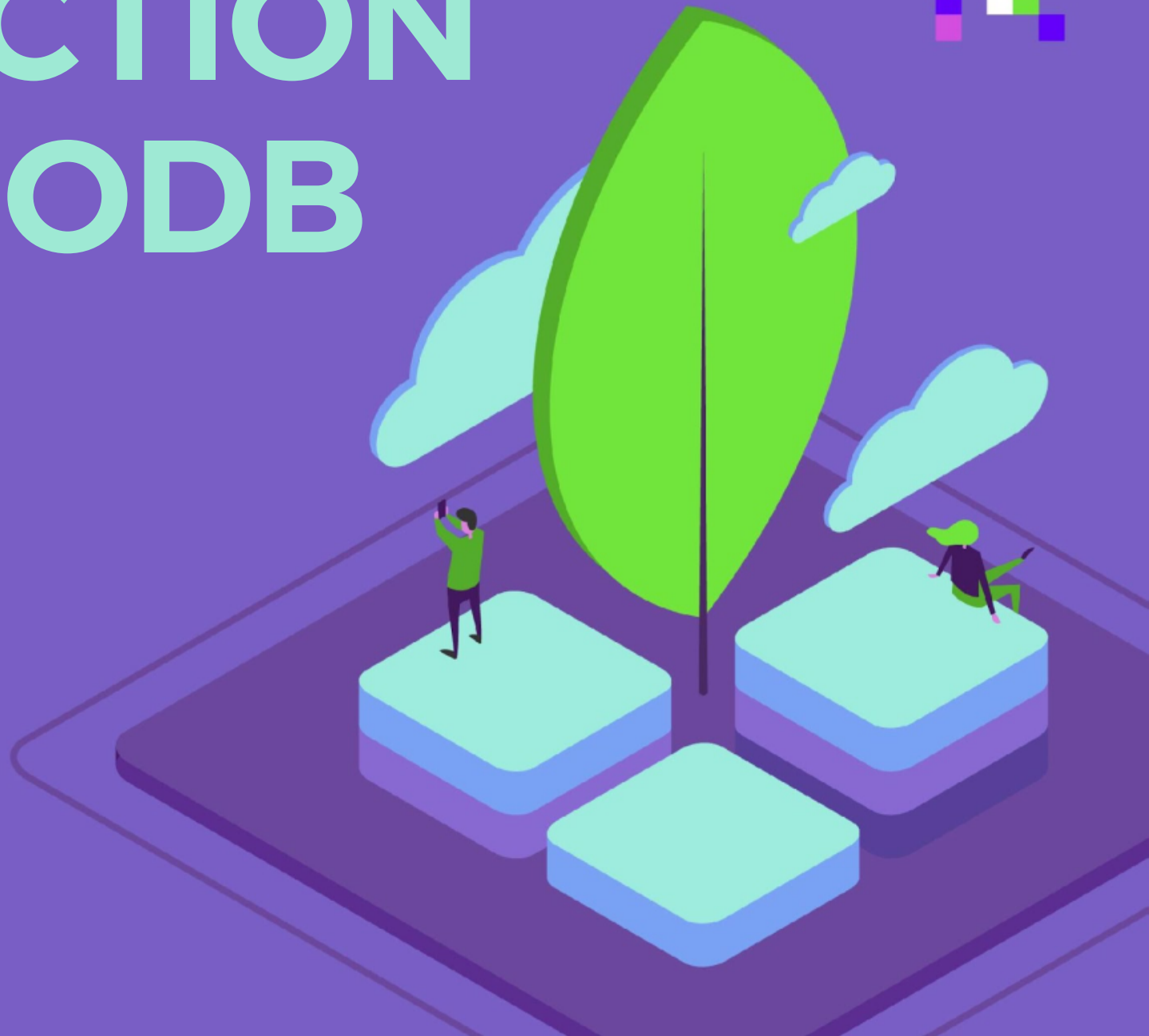





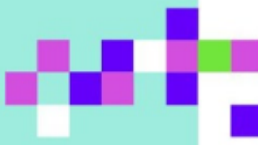
INTRODUCTION TO MONGODB





CASE STUDY #1

Building a Database for a Blogging Site



Case Study #1 | Blogging Site Database

- Different data types
- Primary Keys
- One to Many relationship between users and blog posts
 - Corresponding keys across separate collections
 - Single collection with embedded documents

Database Design

Schema: Separate Collections

```
{
  "_id" : ObjectId("5c943545cc7efa53af5dae25"),
  "post_id" : 5186,
  "user_id" : 3173,
  "body" : "Lorem ipsum dolor sit amet",
  "topic" : "health and wellness",
  "likes" : 57,
  "dislikes" : 31
}
```

```
{
  "_id" : ObjectId("5c943413cc7efa53af5dae24"),
  "user_id" : 3173,
  "name" : "helen",
  "age" : 32,
  "email" : "helen@gmail.com",
  "num_posts" : 2
}
```

```
{
  "_id" : ObjectId("5c967969cc7efa53af5dae28"),
  "post_id" : 5238,
  "user_id" : 3173,
  "body" : "consectetur adipiscing elit",
  "topic" : "sports",
  "likes" : 15,
  "dislikes" : 22
}
```

Database Design

Schema: Embedded Documents

```
{
  "_id" : ObjectId("5c943654cc7efa53af5dae26"),
  "user_id" : 3173,
  "name" : "helen",
  "age" : 32,
  "email" : "helen@gmail.com",
  "posts" : [
    {
      "body" : "Lorem ipsum dolor sit amet",
      "topic" : "health and wellness",
      "likes" : 57,
      "dislikes" : 31
    },
    {
      "body" : "consectetur adipiscing elit",
      "topic" : "sports",
      "likes" : 15,
      "dislikes" : 22
    }
  ]
}
```

Separate Collections vs. Embedded Documents