

Instituto Federal de Educação, Ciência e Tecnologia – IFPE Campus Igarassu

Campus: Igarassu

Web II - TSI (2024.2)

Alunos: Luís Eduardo

Captura de tela dos comandos

```
louis@Lus:~/Web2/atividade-web2$ php artisan tinker
Psy Shell v0.12.4 (PHP 8.3.13 - cli) by Justin Hileman
> User::all();
[!] Aliasing 'User' to 'App\Models\User' for this Tinker session.
= Illuminate\Database\Eloquent\Collection {#6161
  all: [
    App\Models\User {#6162
      id: 1,
      name: "Demario Gleichner",
      email: "stamm.jeremy@example.net",
      email_verified_at: "2024-11-13 23:58:04",
      #password: "$2y$12$8BZ8bhs/nYk4f62/8XVt4.29MKLI.vXFcUsWXsVuSBh4BxGkaPUK",
      #remember_token: "MykwCp2Nth",
      created_at: "2024-11-13 23:58:04",
      updated_at: "2024-11-13 23:58:04",
    },
    App\Models\User {#6163
      id: 2,
      name: "Dr. Chadd Blick MD",
      email: "acummerata@example.org",
      email_verified_at: "2024-11-13 23:58:04",
      #password: "$2y$12$8BZ8bhs/nYk4f62/8XVt4.29MKLI.vXFcUsWXsVuSBh4BxGkaPUK",
      #remember_token: "Hjzk87zBxm",
      created_at: "2024-11-13 23:58:04",
      updated_at: "2024-11-13 23:58:04",
    },
    App\Models\User {#6164
      id: 3,
      name: "Stone Russel",
      email: "gharvey@example.net",
      email_verified_at: "2024-11-13 23:58:04",
      #password: "$2y$12$8BZ8bhs/nYk4f62/8XVt4.29MKLI.vXFcUsWXsVuSBh4BxGkaPUK",
      #remember_token: "Lzm3RkREB0",
      created_at: "2024-11-13 23:58:04",
      updated_at: "2024-11-13 23:58:04",
    },
  ],
  App\Models\User {#6165
```

```
> Book::find(1);
[!] Aliasing 'Book' to 'App\Models\Book' for this Tinker session.
= App\Models\Book {#5180
  id: 1,
  title: "Aperiam error qui eius eum et illum dolore.",
  author_id: 1,
  category_id: 1,
  publisher_id: 1,
  created_at: "2024-11-13 23:57:53",
  updated_at: "2024-11-13 23:57:53",
  published_year: 2011,
}
> |
```

```

> Publisher::withCount('books')->take(20)->get();
[!] Aliasing 'Publisher' to 'App\Models\Publisher' for this Tinker session.
= Illuminate\Database\Eloquent\Collection {#6207
  all: [
    App\Models\Publisher {#6208
      id: 1,
      name: "Predovic-Dietrich",
      address: ""
        7096 Glover Motorway\n
        Hildegardside, CT 92833-4657
        "",
      created_at: "2024-11-13 23:57:53",
      updated_at: "2024-11-13 23:57:53",
      books_count: 10,
    },
    App\Models\Publisher {#6209
      id: 2,
      name: "Ruecker LLC",
      address: ""
        77968 Noah Lakes Apt. 324\n
        Tevinville, WY 78915
        "",
      created_at: "2024-11-13 23:57:54",
      updated_at: "2024-11-13 23:57:54",
      books_count: 10,
    },
    App\Models\Publisher {#6210
      id: 3,
      name: "Larson, Fay and Bogisich",
      address: ""
        666 Haley Field\n
        Stromanburgh, OH 89647
        "",
      created_at: "2024-11-13 23:57:54",
      updated_at: "2024-11-13 23:57:54",
      books_count: 10,
    },
    App\Models\Publisher {#6211
      id: 4,

```

```

> $mediaAno = Book::avg('published_year');
= "1996.3470"

> $somaAno = Book::sum('published_year');
= "1996347"

> $anoMaisAntigo = Book::min('published_year');
= 1970

> $anoMaisRecente = Book::max('published_year');
= 2024

```

```

> $categorias = Category::withCount('books')->get();
[!] Aliasing 'Category' to 'App\Models\Category' for this Tinker session.
= Illuminate\Database\Eloquent\Collection {#6209
  all: [
    App\Models\Category {#6185
      id: 1,
      name: "Ficção",
      created_at: "2024-11-13 23:57:53",
      updated_at: "2024-11-13 23:57:53",
      books_count: 70,
    },
    App\Models\Category {#6184
      id: 2,
      name: "Não-ficção",
      created_at: "2024-11-13 23:57:53",
      updated_at: "2024-11-13 23:57:53",
      books_count: 100,
    },
    App\Models\Category {#6186
      id: 3,
      name: "Fantasia",
      created_at: "2024-11-13 23:57:53",
      updated_at: "2024-11-13 23:57:53",
      books_count: 130,
    },
    App\Models\Category {#6188
      id: 4,
      name: "Ciência",
      created_at: "2024-11-13 23:57:53",
      updated_at: "2024-11-13 23:57:53",
      books_count: 110,
    },
    App\Models\Category {#6187
      id: 5,
      name: "Biografia",
      created_at: "2024-11-13 23:57:53",
      updated_at: "2024-11-13 23:57:53",
      books_count: 110,
    },
  ],
}

```

```

> foreach ($categorias as $categoria) {
{$categoria->name}: {$categoria->books_count} livros\n";
}.      echo "{$categoria->name}: {$categoria->books_count} livros\n";
. }
Ficção: 70 livros
Não-ficção: 100 livros
Fantasia: 130 livros
Ciência: 110 livros
Biografia: 110 livros
História: 60 livros
Tecnologia: 110 livros
Arte: 90 livros
Culinária: 70 livros
Viagem: 150 livros
>

```

```
>
> $tempoTotalLazy = microtime(true) - $inicioLazy;
= 0.36683583259583

> echo "Tempo total para Lazy Loading: {$tempoTotalLazy} segundos\n";
Tempo total para Lazy Loading: 0.36683583259583 segundos
> |
```

```
>
> $tempoTotalEager = microtime(true) - $inicioEager;
= 0.069743871688843

> echo "Tempo total para Eager Loading: {$tempoTotalEager} segundos\n";
Tempo total para Eager Loading: 0.069743871688843 segundos
> |
```

```
> $author = Author::create([
oe',
    'birth_date' => '1975-08-15'
]);
    'name' => 'John Doe',
    'birth_date' => '1975-08-15'
]);
[!] Aliasing 'Author' to 'App\Models\Author' for this Tinker session.
= App\Models\Author {#10427
    name: "John Doe",
    birth_date: "1975-08-15",
    updated_at: "2024-11-14 00:06:26",
    created_at: "2024-11-14 00:06:26",
    id: 1101,
}
> |
```

```
> $category = Category::create([
    'name' => 'Fiction'
]);
= App\Models\Category {#10424
    name: "Fiction",
    updated_at: "2024-11-14 00:06:54",
    created_at: "2024-11-14 00:06:54",
    id: 11,
}
```

```

> $publisher = Publisher::create([
    'address' => '123 Publisher Lane'
]);
    'name' => 'Best Publisher',
    'address' => '123 Publisher Lane'
]);
= App\Models\Publisher {#10458
    name: "Best Publisher",
    address: "123 Publisher Lane",
    updated_at: "2024-11-14 00:07:17",
    created_at: "2024-11-14 00:07:17",
    id: 101,
}

```

```

> $book = Book::create([
    'author_id' => $author->id,
    'category_id' => $category->id,
    'publisher_id' => $publisher->id, 'title' => 'The Great Adventure',
    'author_id' => $author->id,
    'category_id' => $category->id,
    'publisher_id' => $publisher->id,
    'published_year' => 2024
]);
= App\Models\Book {#10369
    title: "The Great Adventure",
    author_id: 1101,
    category_id: 11,
    publisher_id: 101,
    published_year: 2024,
    updated_at: "2024-11-14 00:07:38",
    created_at: "2024-11-14 00:07:38",
    id: 1001,
}

```

```

> echo "Livro: {$book->title}\n";
Livro: The Great Adventure
> echo "Autor: {$book->author->name}\n";
Autor: John Doe
> echo "Categoria: {$book->category->name}\n";
Categoria: Fiction
> echo "Editora: {$book->publisher->name}\n";
Editora: Best Publisher
> |

```