

## **Certificate of Learning**

This certifies that MARCOS VINICIO PEREIRA has participated in Database Design 2019 Aluno - Português (Database Design 2019 Learner - Portuguese) with the following achievements:

Total Time Spent 14:41:45
Date Last Taken Dec 5, 2019

| Topic  | Status    | Completed On | Score Mastery | Score Time | Source |
|--|-----------|--------------|---------------|------------|--------|
| Database Design 2019 Aluno -<br>Português (Database Design 2019<br>Learner - Portuguese) | Completed | Dec 5, 2019  |               | 14:41:4    | 5      |
| U Seção 0: Recursos do Curso   | Completed | Oct 1, 2019  |               | 00:05:50   | 0      |
| Informações do Curso para<br>Alunos  | Completed | Sep 30, 2019 |               | 00:00:22   | 2      |
| Recursos para Alunos - Todos os Cursos   | Completed | Sep 30, 2019 |               | 00:00:16   | 6      |
| Database Design Objetivos<br>do Curso  | Completed | Sep 30, 2019 |               | 00:00:43   | 3      |
| Database Design Mapa do Curso  | Completed | Sep 30, 2019 |               | 00:00:19   | 9      |
| Projeto de Design de Banco de Dados Médicos HealthOne                                    | Completed | Oct 1, 2019  |               | 00:03:2    | 7      |
| Diretrizes de Avaliação da<br>Apresentação HealthOne                                     | Completed | Oct 1, 2019  |               | 00:00:43   | 3      |
| ☑ Seção 1 - Introdução   | Completed | Oct 1, 2019  |               | 01:32:40   | 5      |
| 1-1: Introdução ao Oracle Academy  | Completed | Oct 1, 2019  |               | 00:40:0    | 1      |
| <b>1</b> -1: Lição   | Completed | Oct 1, 2019  |               | 00:03:17   | 7      |
| 1-1: PDF do Exercício  | Completed | Aug 17, 2019 |               | 00:36:44   | 4      |
| 1-2: Dados versus Informações  | Completed | Oct 1, 2019  |               | 00:04:29   | 9      |
| <b>I</b> 1-2: Lição  | Completed | Oct 1, 2019  |               | 00:03:28   | 3      |
| 1-2: PDF do Exercício  | Completed | Aug 17, 2019 |               | 00:01:01   | 1      |
| 1-3: Histórico do Banco de Dados   | Completed | Oct 1, 2019  |               | 00:03:03   | 1      |
| 🔰 1-3: Lição   | Completed | Oct 1, 2019  |               | 00:02:2    | 1      |

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|--|-----------|------------------------|-------|-----|----------|
| 1-3: PDF do Exercício  | Completed | Aug 17, 2019           |       |     | 00:00:40 |
| <ul><li>1-4: Principais</li><li>Transformações na Computação</li></ul> | Completed | Oct 1, 2019            |       |     | 00:05:45 |
| <b>Ⅲ</b> 1-4: Lição  | Completed | Oct 1, 2019            |       |     | 00:04:36 |
| 1-4: PDF do Exercício  | Completed | Aug 17, 2019           |       |     | 00:01:09 |
|  | Completed | Aug 17, 2019           |       |     | 00:39:29 |
| ☑ Seção 1: Quiz  | Passed    | Aug 17, 2019           | 80%   | 70% | 00:39:29 |
| Seção 2 - Entidades e Atributos  | Completed | Oct 1, 2019            |       |     | 02:00:59 |
| 2-1: Modelos Conceituais e Físicos                                     | Completed | Oct 1, 2019            |       |     | 01:02:42 |
| ☑ 2-1: Lição   | Completed | Oct 1, 2019            |       |     | 00:02:36 |
| 2-1: PDF do Exercício  | Completed | Aug 17, 2019           |       |     | 01:00:06 |
| 2-2: Entidades, Instâncias, Atributos e Identificadores                | Completed | Oct 1, 2019            |       |     | 00:09:30 |
|  | Completed | Oct 1, 2019            |       |     | 00:07:57 |
| 2-2: PDF do Exercício  | Completed | Aug 17, 2019           |       |     | 00:01:33 |
| 2-3: ERDs e Modelagem de Entidade-Relacionamento                       | Completed | Oct 1, 2019            |       |     | 00:07:29 |
| ☑ 2-3: Lição   | Completed | Oct 1, 2019            |       |     | 00:06:56 |
| 2-3: PDF do Exercício  | Completed | Aug 17, 2019           |       |     | 00:00:33 |
| Seção 2: Quiz  | Completed | Aug 17, 2019           |       |     | 00:41:18 |
| ☑ Seção 2: Quiz  | Passed    | Aug 17, 2019           | 80%   | 70% | 00:41:18 |
| Seção 3 - Noções Básicas de Relacionamentos                            | Completed | Oct 1, 2019            |       |     | 00:21:53 |
| 3-1: Identificando Relacionamentos                                     | Completed | Oct 1, 2019            |       |     | 00:03:05 |
|  | Completed | Oct 1, 2019            |       |     | 00:02:56 |
| 3-1: PDF do Exercício  | Completed | Oct 1, 2019            |       |     | 00:00:09 |
| 3-2: Convenções para Diagramação de ER                                 | Completed | Oct 1, 2019            |       |     | 00:03:52 |
|  | Completed | Oct 1, 2019            |       |     | 00:03:40 |
| 3-2: PDF do Exercício  | Completed | Oct 1, 2019            |       |     | 00:00:12 |
| 3-3: Conceitos de ERD e Relacionamentos                                | Completed | Oct 1, 2019            |       |     | 00:04:41 |
|  | Completed | Oct 1, 2019            |       |     | 00:04:29 |
| 3-3: PDF do Exercício  | Completed | Oct 1, 2019            |       |     | 00:00:12 |
| 3-4: Diagramas de Matriz   | Completed | Oct 1, 2019            |       |     | 00:05:12 |
|  | Completed | Oct 1, 2019            |       |     | 00:05:09 |
| 3-4: PDF do Exercício  | Completed | Oct 1, 2019            |       |     | 00:00:03 |
| Seção 3: Quiz  | Completed | Oct 1, 2019            |       |     | 00:05:01 |
| ₩ Seção 3: Quiz  | Passed    | Oct 1, 2019            | 86.7% | 70% | 00:05:01 |
|  |           |                        |       |     |          |

| Seção 4 - Super/Subtipos e Regras de Negócios               | Completed | Oct 1, 2019 |       |     | 00:23:29 |
|---|-----------|-------------|-------|-----|----------|
| 4-1: Supertipos e Subtipos                                  | Completed | Oct 1, 2019 |       |     | 00:09:09 |
| <b>Ⅲ</b> 4-1: Lição   | Completed | Oct 1, 2019 |       |     | 00:09:06 |
| U 4-1: PDF do Exercício                                     | Completed | Oct 1, 2019 |       |     | 00:00:03 |
| 4-2: Documentando Regras de Negócios                        | Completed | Oct 1, 2019 |       |     | 00:04:01 |
| <b>4-2:</b> Lição   | Completed | Oct 1, 2019 |       |     | 00:03:58 |
| U 4-2: PDF do Exercício                                     | Completed | Oct 1, 2019 |       |     | 00:00:03 |
| U Seção 4: Quiz   | Completed | Oct 1, 2019 |       |     | 00:10:18 |
| Seção 4: Quiz   | Passed    | Oct 1, 2019 | 73.3% | 70% | 00:10:18 |
| Seção 5 - Fundamentos de Relacionamentos                    | Completed | Oct 1, 2019 |       |     | 00:24:59 |
| 5-1: Transferabilidade de Relacionamentos                   | Completed | Oct 1, 2019 |       |     | 00:02:26 |
| <b>IJ</b> 5-1: Lição  | Completed | Oct 1, 2019 |       |     | 00:02:23 |
|   | Completed | Oct 1, 2019 |       |     | 00:00:03 |
| 5-2: Tipos de Relacionamento                                | Completed | Oct 1, 2019 |       |     | 00:06:42 |
| <b>IJ</b> 5-2: Lição  | Completed | Oct 1, 2019 |       |     | 00:06:39 |
|   | Completed | Oct 1, 2019 |       |     | 00:00:03 |
| 5-3: Resolvendo<br>Relacionamentos de Muitos para<br>Muitos | Completed | Oct 1, 2019 |       |     | 00:03:17 |
| <b>IJ</b> 5-3: Lição  | Completed | Oct 1, 2019 |       |     | 00:03:13 |
| ■ 5-3: PDF do Exercício                                     | Completed | Oct 1, 2019 |       |     | 00:00:04 |
| 5-4: Noções Básicas sobre Requisitos de CRUD                | Completed | Oct 1, 2019 |       |     | 00:05:28 |
| <b>⋓</b> 5-4: Lição   | Completed | Oct 1, 2019 |       |     | 00:05:25 |
| J 5-4: PDF do Exercício                                     | Completed | Oct 1, 2019 |       |     | 00:00:03 |
| U Seção 5: Quiz   | Completed | Oct 1, 2019 |       |     | 00:07:04 |
| ☑ Seção 5: Quiz   | Passed    | Oct 1, 2019 | 80%   | 70% | 00:07:04 |
| U Database Design Exame<br>Intermediário                    | Completed | Oct 1, 2019 |       |     | 00:34:19 |
| Database Design Exame Intermediário                         | Passed    | Oct 1, 2019 | 84%   | 60% | 00:34:19 |
| Seção 6 - UIDs e<br>Normalização                            | Completed | Dec 5, 2019 |       |     | 05:44:52 |
| 6-1: UIDs Artificiais,<br>Compostos e Secundários           | Completed | Oct 1, 2019 |       |     | 00:12:25 |
| <b>⋓</b> 6-1: Lição   | Completed | Oct 1, 2019 |       |     | 00:11:54 |
|   | Completed | Oct 1, 2019 |       |     | 00:00:31 |
|   |           |             |       |     |          |

| 6-2: Normalização e<br>Primeira Forma Normal             |           | Oct 2, 2019 | 9     |     | 00:13:58 |
|--|-----------|-------------|-------|-----|----------|
| <b>□</b> 6-2: Lição                                      | Completed | Oct 2, 2019 |       |     | 00:13:45 |
| 4 6-2: PDF do Exercício                                  | Completed | Oct 2, 2019 |       |     | 00:00:13 |
|  | Completed | Oct 2, 2019 |       |     | 04:12:55 |
| <b>Ⅲ</b> 6-3: Lição                                      | Completed | Oct 2, 2019 |       |     | 04:07:32 |
| <b>□</b> 6-3: PDF do Exercício                           | Completed | Oct 2, 2019 |       |     | 00:05:23 |
|  | Completed | Dec 5, 2019 |       |     | 00:13:04 |
| <b>Ⅲ</b> 6-4: Lição                                      | Completed | Dec 5, 2019 |       |     | 00:12:48 |
| 4 6-4: PDF do Exercício                                  | Completed | Dec 5, 2019 |       |     | 00:00:16 |
| U Seção 6: Quiz  | Completed | Dec 5, 2019 |       |     | 00:52:28 |
| Seção 6: Quiz  | Passed    | Dec 5, 2019 | 86.7% | 70% | 00:52:28 |
| Seção 7 - Arcos, Hierarquias e Modelagem Recursiva       | Completed | Dec 5, 2019 |       |     | 00:34:27 |
| <b>1</b> 7-1: Arcos                                      | Completed | Dec 5, 2019 |       |     | 00:10:31 |
| <b>Ⅲ</b> 7-1: Lição                                      | Completed | Dec 5, 2019 |       |     | 00:10:27 |
| 7-1: PDF do Exercício                                    | Completed | Dec 5, 2019 |       |     | 00:00:04 |
| 7-2: Hierarquias e Relacionamentos Recursivos            | Completed | Dec 5, 2019 |       |     | 00:16:02 |
| <b>11</b> 7-2: Lição                                     | Completed | Dec 5, 2019 |       |     | 00:15:58 |
| 7-2: PDF do Exercício                                    | Completed | Dec 5, 2019 |       |     | 00:00:04 |
| U Seção 7: Quiz  | Completed | Dec 5, 2019 |       |     | 00:07:54 |
| ☑ Seção 7: Quiz  | Passed    | Dec 5, 2019 | 86.7% | 70% | 00:07:54 |
| Seção 8 - Alterações e<br>Modelagem Histórica            | Completed | Dec 5, 2019 |       |     | 00:52:32 |
| § 8-1: Modelando Dados<br>Históricos                     | Completed | Dec 5, 2019 |       |     | 00:08:16 |
| <b>IJ</b> 8-1: Lição                                     | Completed | Dec 5, 2019 |       |     | 00:08:08 |
| ■ 8-1: PDF do Exercício                                  | Completed | Dec 5, 2019 |       |     | 00:00:08 |
| <ul><li>■ 8-2: Modelando Alteração:<br/>Tempo</li></ul>  | Completed | Dec 5, 2019 |       |     | 00:20:35 |
| <b>IJ</b> 8-2: Lição                                     | Completed | Dec 5, 2019 |       |     | 00:20:28 |
| U 8-2: PDF do Exercício                                  | Completed | Dec 5, 2019 |       |     | 00:00:07 |
| § 8-3: Modelando Alteração: Preço                        | Completed | Dec 5, 2019 |       |     | 00:06:19 |
| <b>IJ</b> 8-3: Lição                                     | Completed | Dec 5, 2019 |       |     | 00:06:13 |
| ■ 8-3: PDF do Exercício                                  | Completed | Dec 5, 2019 |       |     | 00:00:06 |
| ■ 8-4: Convenções de Desenho<br>para Facilitar a Leitura | Completed | Dec 5, 2019 |       |     | 00:07:41 |
| <b>Ⅲ</b> 8-4: Lição                                      | Completed | Dec 5, 2019 |       |     | 00:07:28 |
| <b>№</b> 8-4: PDF do Exercício                           | Completed | Dec 5, 2019 |       |     | 00:00:13 |

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|    | U Seção 8: Quiz   | Completed | Dec 5, 2019            |       |     | 00:09:39 |
|    |   | Passed    | Dec 5, 2019            | 86.7% | 70% | 00:09:39 |
|    |   | Completed | Dec 5, 2019            |       |     | 01:21:20 |
|    | 9-1: Introdução a Conceitos de Banco de Dados Relacional        | Completed | Dec 5, 2019            |       |     | 00:13:00 |
|    | 🖤 9-1: Lição  | Completed | Dec 5, 2019            |       |     | 00:12:10 |
|    | 9-1: PDF do Exercício   | Completed | Dec 5, 2019            |       |     | 00:00:50 |
|    | 9-2: Mapeamento Básico: o Processo de Transformação             | Completed | Dec 5, 2019            |       |     | 00:20:58 |
|    | 🖤 9-2: Lição  | Completed | Dec 5, 2019            |       |     | 00:20:34 |
|    | 9-2: PDF do Exercício   | Completed | Dec 5, 2019            |       |     | 00:00:24 |
|    | 9-3: Mapeamento de Relacionamentos                              | Completed | Dec 5, 2019            |       |     | 00:25:21 |
|    |   | Completed | Dec 5, 2019            |       |     | 00:25:17 |
|    | 9-3: PDF do Exercício   | Completed | Dec 5, 2019            |       |     | 00:00:04 |
|    | 9-4: Mapeamento de Subtipos                                     | Completed | Dec 5, 2019            |       |     | 00:15:25 |
|    | 🔰 9-4: Lição  | Completed | Dec 5, 2019            |       |     | 00:15:21 |
|    | 9-4: PDF do Exercício   | Completed | Dec 5, 2019            |       |     | 00:00:04 |
|    | ♥ Seção 9: Quiz   | Completed | Dec 5, 2019            |       |     | 00:06:34 |
|    | ☑ Seção 9: Quiz   | Passed    | Dec 5, 2019            | 80%   | 70% | 00:06:34 |
|    | Seção 10 - Criando Projetos de Banco de Dados                   | Completed | Dec 5, 2019            |       |     | 00:16:37 |
|    | 10-1: Ciclo de Desenvolvimento do Sistema                       | Completed | Dec 5, 2019            |       |     | 00:08:21 |
|    | 🔰 10-1: Lição   | Completed | Dec 5, 2019            |       |     | 00:08:17 |
|    | 10-1: PDF do Exercício  | Completed | Dec 5, 2019            |       |     | 00:00:04 |
|    | 10-2: Visão Geral e Introdução do Projeto                       | Completed | Dec 5, 2019            |       |     | 00:05:17 |
|    | 10-2: Lição   | Completed | Dec 5, 2019            |       |     | 00:05:13 |
|    | 10-2: PDF do Exercício  | Completed | Dec 5, 2019            |       |     | 00:00:04 |
|    | 10-3: Gerenciamento do Projeto de Apresentação                  | Completed | Dec 5, 2019            |       |     | 00:01:12 |
|    | ₩ 10-3: Lição   | Completed | Dec 5, 2019            |       |     | 00:01:08 |
|    | 10-3: PDF do Exercício  | Completed | Dec 5, 2019            |       |     | 00:00:04 |
|    | <ul><li>■ 10-4: Componentes da<br/>Apresentação Final</li></ul> | Completed | Dec 5, 2019            |       |     | 00:01:45 |
|    | <b>Ⅲ</b> 10-4: Lição  | Completed | Dec 5, 2019            |       |     | 00:01:45 |
|    | Seção 11 - Apresentando Projetos de Banco de Dados              | Completed | Dec 5, 2019            |       |     | 00:12:14 |
|    | ₩ 11-1: Criando Tabelas para a<br>Apresentação Final            | Completed | Dec 5, 2019            |       |     | 00:01:16 |
|    |   |           |                        |       |     |          |

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| 💵 11-1: Lição   | Completed | Dec 5, 2019 |     |     | 00:01:07 |
|---|-----------|-------------|-----|-----|----------|
| 11-1: PDF do Exercício                                  | Completed | Dec 5, 2019 |     |     | 00:00:09 |
| 11-2: Preparando a Documentação Escrita                 | Completed | Dec 5, 2019 |     |     | 00:04:53 |
| 🔰 11-2: Lição   | Completed | Dec 5, 2019 |     |     | 00:04:44 |
| 11-2: PDF do Exercício                                  | Completed | Dec 5, 2019 |     |     | 00:00:09 |
| 11-3: Preparando o Material Visual                      | Completed | Dec 5, 2019 |     |     | 00:04:18 |
| <b>II</b> 11-3: Lição                                   | Completed | Dec 5, 2019 |     |     | 00:04:06 |
| 11-3: PDF do Exercício                                  | Completed | Dec 5, 2019 |     |     | 00:00:12 |
| 11-4: Apresentações Finais                              | Completed | Dec 5, 2019 |     |     | 00:01:45 |
| 11-4: Lição   | Completed | Dec 5, 2019 |     |     | 00:01:35 |
| 11-4: PDF do Exercício                                  | Completed | Dec 5, 2019 |     |     | 00:00:10 |
| Database Design Exame Final                             | Completed | Dec 5, 2019 |     |     | 00:15:23 |
| <ul><li>☑ Database Design Exame</li><li>Final</li></ul> | Passed    | Dec 5, 2019 | 80% | 60% | 00:15:23 |

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