1. **Record Nr.** UNINA990008955300403321

   Titolo Energia e materie prime : Rivista di politica, economia, scienza e tecnologia

   Pubbl/distr/stampa Torino, : La Nuova Italia Editrice S.p.A.

   ISSN 0392-4475

   Lingua di pubblicazione Italiano

   Formato Materiale a stampa

   Livello bibliografico Periodico

2. **Record Nr.** UNINA9911006689903321

   Titolo Introduction to Algorithms : A Comprehensive Guide for Beginners : Unlocking Computational Thinking

   Pubbl/distr/stampa Birmingham, : Packt Publishing, Limited, 2024

   ISBN 9781836203872

   Descrizione fisica 1 online resource (294 p.)

   Disciplina 005.1

   Soggetti Computer algorithms
   Computer programming

   Lingua di pubblicazione Inglese

   Formato Materiale a stampa

   Livello bibliografico Monografia

   Note generali Description based upon print version of record.
   6.3 Insertion Sort

   Nota di contenuto Intro -- Code Blocks Resource -- Premium Customer Support -- Who we are -- Our Philosophy -- Our Expertise -- Introduction -- Preface -- Introduction to the Book -- Who Should Read This Book -- How to Use This Book -- Chapter 1: Introduction to Algorithms -- 1.1 What is an Algorithm? -- 1.1.1 Characteristics of a Good Algorithm -- 1.1.2 How Algorithms are Used -- 1.1.3 Brief Summary and Some Points for Further Reflection -- 1.2 Importance of Algorithms in Computer Science -- 1.2.1 Algorithms Power Our Digital World -- 1.2.2 Algorithms Drive Efficiency

| Sommario/riassunto | Discover the fundamentals and advanced concepts of algorithms with this comprehensive course. Learn about efficiency, types, design techniques, and real-world applications, and enhance your algorithmic knowledge. Key Features Basics to advanced algorithm design and applications, along with real-world applications Engaging exercises & case studies from the latest industry trends & practices for reinforcement Clear, step-by-step instructions for complex and advanced topics Book Description Begin your journey into the fascinating world of algorithms with this comprehensive course. Starting with an introduction to the basics, you will learn about pseudocode and flowcharts, the fundamental tools for representing algorithms. As you progress, you'll delve into the efficiency of algorithms, understanding how to evaluate and optimize them for better performance. The course will also cover various basic algorithm types, providing a solid foundation for further exploration. You will explore specific categories of algorithms, including search and sort algorithms, which are crucial for managing and retrieving data efficiently. You will also learn about graph algorithms, which are essential for solving problems related to networks and relationships. Additionally, the course will introduce you to the data structures commonly used in algorithms. Towards the end, the focus shifts to algorithm design techniques and their real-world applications. You will |

discover various strategies for creating efficient and effective algorithms and see how these techniques are applied in real-world scenarios. By the end of the course, you will have a thorough understanding of algorithmic principles and be equipped with the skills to apply them in your technical career. What you will learn Understand the basics of algorithms and their significance Evaluate the efficiency of different algorithms Apply various types of algorithms to solve complex problems Utilize graph algorithms for network-related issues Implement appropriate data structures for algorithm optimization Design efficient algorithms for real-world applications Who this book is for This course is designed for a wide range of learners, including technical professionals looking to enhance their algorithmic knowledge, computer science students seeking a deeper understanding of algorithm principles, and software developers aiming to improve their coding efficiency. Additionally, it is suitable for data scientists and analysts who need to apply algorithms to data management and analysis tasks, educators looking for comprehensive teaching material on algorithms, and hobbyists interested in expanding their technical skill set.