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employers from the new recruits.

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interview questions from software and Internet companies. It covers five key factors which determine performance of candidates: (1) the basics of programming languages, data structures and

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algorithms, (2) approaches to writing code with high quality, (3) tips to solve difficult problems, (4) methods to optimize code, (5) soft skills required in interviews. The basics of languages, algorithms

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and data structures are discussed as well as questions that explore how to write robust solutions after breaking down problems into manageable pieces. It also includes examples to focus on

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modeling and creative problem solving. Interview questions from the most popular companies in the IT industry are taken as examples to illustrate the five factors above. Besides solutions, it contains

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detailed analysis, how interviewers evaluate solutions, as well as why they like or dislike them. The author makes clever use of the fact that interviewees will have limited time to program meaningful

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solutions which in turn, limits the options an interviewer has. So the author covers those bases. Readers will improve their interview performance after reading this book. It will be beneficial for them even

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Facebook, Ebay, Amazon etc. Often, these Spring questions and concepts are used in our daily programming work. But these are most helpful when an Interviewer is trying to test your deep

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knowledge of Spring. Sample questions are: What are the cases in which Autowiring may not work in Spring framework? Given a choice between declarative and programmatic Transaction

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Management, which method will you choose? Is it allowed to inject null or empty String values in Spring? What are the different types of events provided by Spring framework? What are the

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benefits provided by Spring Framework's Transaction Management? What is the difference between DispatcherServlet and ContextLoaderListener in Spring? What is a Java-based

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Configuration in Spring?What is the difference between Full @Configuration and 'lite' @Beans mode?In Spring framework, what is Annotation-based container configuration?How will you

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*supported by Spring?How will
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Hibernate by using
HibernateDaoSupport?What are
the different types of the
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*framework? What is Aspect
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Spring AOP?What is a Proxy in Spring AOP?What are the different types of AutoProxy creators in Spring?What is Weaving in Spring AOP?In Spring AOP, Weaving is done at compile time or run time?What

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*is XML Schema-based Aspect
implementation?What is
Annotation-based aspect
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AOP?How does Spring MVC
framework work?What is
DispatcherServlet?Can we have*

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more than one

DispatcherServlet in Spring

MVC?What is

WebApplicationContext in

Spring MVC?What is Controller

in Spring MVC

framework?What is @Controller

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annotation in Spring

MVC?What is

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in Spring?What are the main

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Singleton and Prototype bean in

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Spring? How will you decide which scope- Prototype or Singleton to use for a bean in Spring? What is the difference between Setter and Constructor based Dependency Injection (DI) in Spring framework? What

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are the drawbacks of Setter based Dependency Injection (DI) in Spring? What are the differences between Dependency Injection (DI) and Factory Pattern? In Spring framework, what is the

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*difference between
FileSystemResource and
ClassPathResource?Name some
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annotations that you use in your
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file in Spring MVC Application'*

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Curse of Dimensionality)
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engineering, data
cleaning and

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Deep Q-Learning) - Non-
Machine Learning Tools
(graph theory, ARIMA,
linear programming) -
Case Studies (a look at
what data science means

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at companies like Amazon and Uber) Maverick holds a bachelor's degree from the College of Engineering at Cornell University in operations research and information

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engineering (ORIE) and a minor in computer science. He is the author of the popular Data Science Cheatsheet and Data Engineering Cheatsheet on GCP and

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has previous experience in data science consulting for a Fortune 500 company focusing on fraud analytics.

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questions DESCRIPTION

The book is written assuming that the reader has basic knowledge of Python programming. A brief introduction is provided for all

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Functions Operators,
Decision Making and
Loops User Defined

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Algorithm Analysis and
Big-O, Array Sequence
Stacks, Queues, and
Deque, Linked List
Recursion, Trees.

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