



Colegio de San Juan de Letran
Dominican Avenue, Abucay, Bataan
Library and Media Services

RESEARCH GUIDE: ADVANCE JAVA PROGRAMMING

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RESEARCH GUIDES

ADVANCE DATA BASE SYSTEMS

I. SCOPE NOTE

It is a part of Java programming language. It is an advanced technology or advanced version of Java specially designed to develop web-based, network centric, or enterprise applications. It includes the concepts like Servlet, JSP, JDBC, RMI, Socket programming, etc. It is a specialization in a specific domain. Javatpoint.com

II. SEARCH AIDS (BT: Broader Term, RT: Related Term, NT: Narrow Term)

BT:

- Database System

RT:

- Programming Language
- Computer Programming
- Web Pages
- Web Application
- Socket Programming
- Networking Applications
- Web Container
- Session Management
- Servlets
- JSP
- Sruts Framework
- Hibernate Framework
- Spring Framework

NT:

- Web Client
- Web Server
- HTTP Protocol
- HTML Language
- TCP/IP Port
- URL
- Servlet Lifecycle
- Servlet Context
- Servlet Config
- Get
- Post
- Put
- Delete

- Trace
- Options
- Cookies
- Rewriting
- JSP Lifecycle
- Spring Architecture
- Dependency Injection
- Bean Wiring
- Spring Boot Caching
- Spring Boot View
- Hibernate CRUD

III. INFORMATION RESOURCES

A. LIBRARY RESOURCES

Note: For the appropriate access credentials, please contact the Letran Bataan Library

➤ E-JOURNALS

- Mathematics and Computer Education.
https://www.proquest.com/publication/publications_35418
- American Scientist. https://www.proquest.com/publication/publications_40798
- IBM Systems Journal. https://www.proquest.com/publication/publications_35072
- IEEE Transactions on Education.
https://www.proquest.com/publication/publications_85468
- IEEE Transactions on Education.
https://www.proquest.com/publication/publications_85468
- The Journal of Systems and Software.
https://www.proquest.com/publication/publications_45802
- Artificial Life and Robotics.
https://www.proquest.com/publication/publications_2043964
- Journal of Technology and Information Education.
https://www.proquest.com/publication/publications_326367
- TOJET : The Turkish Online Journal of Educational Technology.
https://www.proquest.com/publication/publications_1576361
- Journal of Physics: Conference Series.
https://www.proquest.com/publication/publications_4998668
- ACM Transactions on Programming Languages and Systems.
https://www.proquest.com/publication/publications_37313
- Technical Communication. https://www.proquest.com/publication/publications_49110
- Computer. https://www.proquest.com/publication/publications_36684

➤ E-THESES

- Weintrop, D. (2016). Modality matters: Understanding the effects of programming language representation in high school computer science classrooms (Order No. 10160575). Available from ProQuest Central. (1826352865). Retrieved from <https://www.proquest.com/dissertations-theses/modality-matters-understanding-effects/docview/1826352865/se-2?accountid=190548>
- Qian, Y. (2018). Understanding and addressing misconceptions in introductory programming: A data-driven approach (Order No. 10791835). Available from ProQuest Central. (2054025705). Retrieved from <https://www.proquest.com/dissertations-theses/understanding-addressing-misconceptions/docview/2054025705/se-2?accountid=190548>
- Sultana, S. (2016). Defining the competencies, programming languages, and assessments for an introductory computer science course (Order No. 10167559). Available from ProQuest Central. (1845311230). Retrieved from <https://www.proquest.com/dissertations-theses/defining-competencies-programming-languages/docview/1845311230/se-2?accountid=190548>
- Tam, R. (2013). Adaptation of AspectJ for C sharp (Order No. 1523056). Available from ProQuest Central. (1416319887). Retrieved from <https://www.proquest.com/dissertations-theses/adaptation-aspectj-c-sharp/docview/1416319887/se-2?accountid=190548>

B. OPEN ACCESS

➤ FREE E-BOOKS

- Java: Java Programming for Beginners - A Simple Start to Java Programming. <https://www.pdfdrive.com/java-java-programming-for-beginners-a-simple-start-to-java-programming-e186416077.html>
- Java for Absolute Beginners: Learn to Program the Fundamentals the Java 9+ Way. <https://www.pdfdrive.com/java-for-absolute-beginners-learn-to-program-the-fundamentals-the-java-9-way-d185771881.html>
- JAVA: Easy Java Programming for Beginners, Your Step-By-Step Guide to Learning Java Programming. <https://www.pdfdrive.com/java-easy-java-programming-for-beginners-your-step-by-step-guide-to-learning-java-programming-d186308193.html>
- Learn Java 8 In a Week: A Beginner's Guide to Java Programming. <https://www.pdfdrive.com/learn-java-8-in-a-week-a-beginners-guide-to-java-programming-d188445398.html>
- JAVA: A Beginner's Guide to Learning the Basics of Java Programming. <https://www.pdfdrive.com/java-a-beginners-guide-to-learning-the-basics-of-java-programming-e187376505.html>
- Java: A Beginner's Guide, Eighth Edition. <https://www.pdfdrive.com/java-a-beginners-guide-eighth-edition-e185753177.html>
- Head-First Java-2nd. <https://www.pdfdrive.com/head-first-java-2nd-e19984272.html>

➤ FREE E-JOURNALS

- Science of Computer Programming. <https://www.journals.elsevier.com/science-of-computer-programming>
- International Journal of Programming Languages and Applications (IJPLA). <https://independent.academia.edu/IJPLAJournal>
- JAVA Programming Language. <https://www.sciencedirect.com/topics/computer-science/java-programming-language>

➤ FREE E-THESES

- Herich, M. (2018). Použití OpenGL z jazyka Java: Use of OpenGL from Java. (Thesis). Brno University of Technology. Retrieved from <http://hdl.handle.net/11012/55867>
- Wesonga, S. O. (2012). Javalite - An Operational Semantics for Modeling Java Programs. (Masters Thesis). Brigham Young University. Retrieved from <https://scholarsarchive.byu.edu/cgi/viewcontent.cgi?article=4375&context=etd>
- Nazir, M. A. (2013). Study of Development of Java Applications in Eclipse Environment and Development of Java Based Calendar Application with Email Notifications. (Thesis). , School of Engineering. Retrieved from <http://urn.kb.se/resolve?urn=urn:nbn:se:bth-4039>
- Bexell, A. (2017). Comparing functional to imperative Java : with regards to readability, complexity and verbosity. (Thesis). Linnaeus University. Retrieved from <http://urn.kb.se/resolve?urn=urn:nbn:se:lnu:diva-64712>
- Lemoine, A. (2011). JDPET: Java Dynamic Programming Educational Tool. (Masters Thesis). San Jose State University. Retrieved from <https://doi.org/10.31979/etd.fxne-5cvj> ; https://scholarworks.sjsu.edu/etd_projects/202
- Trinh, A. (2011). X10 vs Java: Concurrency Constructs and Performance. (Masters Thesis). San Jose State University. Retrieved from <https://doi.org/10.31979/etd.5mqq-5ks9> ; https://scholarworks.sjsu.edu/etd_projects/203
- Bezděk, P. (2018). Gramatická evoluce – Java: Grammatical Evolution - Java. (Thesis). Brno University of Technology. Retrieved from <http://hdl.handle.net/11012/8622>.
- (8973089), G. A. B. (2019). Functional Programming Framework For Generating Random Java Programs With Prolog-Based Grammar Validation. (Thesis). University of Illinois – Chicago. Retrieved from <http://hdl.handle.net/10.25417/uic.12480920.v1>

C. PROFESSIONAL ORGANIZATIONS

- Computer Professional for Social Responsibility. <http://cpsr.org/>
- Association of Software Professionals. <https://asp-software.org/www/>
- Association for Computing Machinery. <https://www.acm.org/>
- Association for Information Technology Professionals. <https://www.baylor.edu/business/mis/index.php?id=92998>
- Association of Independent Information Professionals (AIIP). <https://www.aiip.org/>
- IEEE Computer Society. <https://www.computer.org/membership>

D. OTHER RELATED WEB PORTALS

- Top Coder. <https://www.topcoder.com/>

- Coder Byte. <https://www.coderbyte.com/>
- Hacker Rank. <https://www.hackerrank.com/>
- Code Chef. <https://www.codechef.com/#>
- Project Euler. <https://projecteuler.net/>
- Code Wars. <https://www.codewars.com/>
- Codin Game. <https://www.codingame.com/start>
- Code Eval. <https://www.crunchbase.com/organization/codeeval>
- Sphere Online Judge. <https://www.spoj.com/>
- Leet Code. <https://leetcode.com/>

E. RELATED RESEARCH GUIDES

- University of Maryland. <https://umd.instructure.com/courses/1177847/pages/study-guide-introduction-to-java>
- Tacoma Community College. <https://tacomacc.libguides.com/c.php?g=1031085&p=7475093>
- Princeton Education. <https://introcs.cs.princeton.edu/java/11cheatsheet/>
- The Catholic University of America. <https://guides.lib.cua.edu/c.php?g=590076&p=4080685>
- Olympic College. <https://libguides.olympic.edu/c.php?g=232024&p=1541510>

IV. TUTORIALS

- Java Tutorial for Beginners [2020]. <https://www.youtube.com/watch?v=elrMbAQSU34>
- Intro to Java Programming - Course for Absolute Beginners. <https://www.youtube.com/watch?v=GoXwIVyNvX0>
- Java In 5 Minutes | What Is Java Programming? | Java Programming For Beginners | Simplilearn. <https://www.youtube.com/watch?v=mAtkPQO1FcA>
- Java Tutorial For Beginners 1 - Introduction and Installing the java (JDK) Step by Step Tutorial. <https://www.youtube.com/watch?v=r59xYe3Vyks>
- Learn Java 8 - Full Tutorial for Beginners. <https://www.youtube.com/watch?v=grEKMHGyYns>
- Java Programming Tutorial 1 - Introduction to Java. https://www.youtube.com/watch?v=2dZiMBwX_5Q
- Learn Java Programming with Beginners Tutorial. https://www.youtube.com/watch?v=uWYPVz_i7W4
- Java Full Course | Java Tutorial for Beginners | Java Online Training | Edureka. https://www.youtube.com/watch?v=hBh_CC5y8-s
- Java Full Course - 1 | Java Tutorial For Beginners | Java Programming For Beginners | Simplilearn. <https://www.youtube.com/watch?v=lqqKqHfW2SI>
- Java Tutorial for Beginners - Made Easy - Step by Step. <https://www.youtube.com/watch?v=3u1fu6f8Hto>

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