DURGA'S
Note Book

SCJP EXAM OBJECTIVES

- **Language Fundamentals**
- **Operators and Assignments**
- **Declaration and Access Control**
- **Flow Control**
- **Exception Handling**
- **Assertions**
- **OO Concepts**
- **Threads and Concurrency**
- **Fundamental Classes in java.lang package**
  - Object Class
  - String Class
  - StringBuffer Class
  - StringBuilder Class
  - Wrapper Classes
  - Math Class
- **The Collections Frame Work and Generics**
- **File I/O & Serialization**
- **Garbage Collection**
- **1.5 New Features**
  - Enum
  - For-Each Loop
  - Var-Arg Methods
  - Auto Boxing & Un Boxing
  - Static Imports

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Sirisha	IBM
Sharath	OCIMUM BIO SOLUTIONS
Indrani	CTS
Rajesh	CTS
Mukesh	CTS(Pune)
Indira	KPIT(Pune)
Anitha	WIPRO
Madhavi	CENRIS
Vimala	SAPTREE
Raghavendra	COVANSYS
Suleman	US TECHNOLOGIES
Arafath	VERIZON TECHNOLOGIES
Shanti	SITA SOFTWARE SOLUTIONS
Sunitha	INFOSYS
Srikanth	NESS TECHNOLOGIES
Sankar Reddy	L&T INFOTECH
Sunil Kumar	PLANET SOFT
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Swathi	SEEC
Ali	HONEY WELL
Sunil	VIRTUSA
Partha Saradhi	VIRTUSA
D. Uday Kiran	PRIME SOFTWARE SOLUTIONS
Chandra Sekhar	POLARIS
N. Vara Prasad	WIPRO
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Geetanjali Mahanta	CAPGEMINI
T. Ravi Kumat	GE
Purna Sekhar	Polaries
S. Ravi Shankar	Ford Technologies

Durga Software Solutions

Hi... We cleared SCJP in 2nd Year B.Tech Itself.....

T. VENKATESH
2nd Year B.Tech
Narasarao Pet Engg. College

SCJP : 86%

N. SRINIVASA GUPTA
2nd Year B.Tech
Narasarao Pet Engg. College

SCJP : 83%

A. PRAVEEN KUMAR
2nd Year B.Tech
Narasarao Pet Engg. College

SCJP : 80%

SCJP : Purely Nursery Standard Exam.....

Do You Want to perfect every topic in Servlets 2.5

Attend

Servlets 2.5

(SCWCD Classes)

By

Mr.DURGA M.Tech.,

- ☞ Http Methods
- ☞ HttpServletRequest
- ☞ HttpServletResponse
- ☞ Servlet Life Cycle
- ☞ Web-Application Directory Structure
- ☞ Web.xml
- ☞ WAR file
- ☞ ServletConfig
- ☞ ServletContext
- ☞ Servlet Scopes
- ☞ Request Dispatcher
- ☞ Session Management
- ☞ Filters
- ☞ Wrappers
- ☞ Listeners
- ☞ Web Security

Other than these… Nothing else in Servlets

SCWCD Servlets Syllabus

Section 1: The Servlet Technology Model

- For each of the HTTP Methods (such as GET, POST, HEAD, and so on) describe the purpose of the method and the technical characteristics of the HTTP Method protocol, list triggers that might cause a Client (usually a Web browser) to use the method; and identify the HttpServlet method that corresponds to the HTTP Method.
- Using the HttpServletRequest interface, write code to retrieve HTML form parameters from the request, retrieve HTTP request header information, or retrieve cookies from the request.
- Using the HttpServletResponse interface, write code to set an HTTP response header, set the content type of the response, acquire a text stream for the response, acquire a binary stream for the response, redirect an HTTP request to another URL, or add cookies to the response.
- Describe the purpose and event sequence of the servlet life cycle: (1) servlet class loading, (2) servlet instantiation, (3) call the init method, (4) call the service method, and (5) call destroy method.

Section 2: The Structure and Deployment of Web Applications

- Construct the file and directory structure of a Web Application that may contain (a) static content, (b) JSP pages, (c) servlet classes, (d) the deployment descriptor, (e) tag libraries, (d) JAR files, and (e) Java class files; and describe how to protect resource files from HTTP access.
- Describe the purpose and semantics of the deployment descriptor.
- Construct the correct structure of the deployment descriptor.
- Explain the purpose of a WAR file and describe the contents of a WAR file, how one may be constructed.

Section 3: The Web Container Model

- For the ServletContext initialization parameters: write servlet code to access initialization parameters; and create the deployment descriptor elements for declaring initialization parameters.
- For the fundamental servlet attribute scopes (request, session, and context): write servlet code to add, retrieve, and remove attributes; given a usage scenario, identify the proper scope for an attribute; and identify multi-threading issues associated with each scope.
- Describe the Web container request processing model; write and configure a filter; create a request or response wrapper; and given a design problem, describe how to apply a filter or a wrapper.
- Describe the Web container life cycle event model for requests, sessions, and web applications; create and configure listener classes for each scope life cycle; create and configure scope attribute listener classes; and given a scenario, identify the proper attribute listener to use.
- Describe the RequestDispatcher mechanism; write servlet code to create a request dispatcher; write servlet code to forward or include the target resource; and identify and describe the additional request-scoped attributes provided by the container to the target resource.

Section 4: Session Management

- Write servlet code to store objects into a session object and retrieve objects from a session object.
- Given a scenario describe the APIs used to access the session object, explain when the session object was created, and describe the mechanisms used to destroy the session object, and when it was destroyed.
- Using session listeners, write code to respond to an event when an object is added to a session, and write code to respond to an event when a session object migrates from one VM to another.
- Given a scenario, describe which session management mechanism the Web container could employ, how cookies might be used to manage sessions, how URL rewriting might be used to manage sessions, and write servlet code to perform URL rewriting.

Section 5: Web Application Security

- Based on the servlet specification, compare and contrast the following security mechanisms: (a) authentication, (b) authorization, (c) data integrity, and (d) confidentiality.
- In the deployment descriptor, declare a security constraint, a Web resource, the transport guarantee, the login configuration, and a security role.
- Compare and contrast the authentication types (BASIC, DIGEST, FORM, and CLIENT-CERT); describe how the type works; and given a scenario, select an appropriate type.

Do u want to become collection king……

Attend

Collections

(java.util package)

By

Mr.DURGA M.Tech.,

- Collection
- List
- Queue
- Set
- SortedSet
- Map
- SortedMap

2 Days… 20 Hours…. Full Enjoy…..

COLLECTION FRAME WORK SYLLABUS

- Collection
  - List
    - ArrayList
    - LinkedList
    - Vector
      - Stack
  - Set
    - HashSet
      - LinkedHashSet
    - SortedSet
      - TreeSet
  - Queue
    - PriorityQueue
    - BlockingQueue
      - PriorityBlockingQueue
      - LinkedBlockingQueue

- Map
  - HashMap
    - LinkedHashMap
  - WeakHashMap
  - IdentityHashMap
  - Hashtable
    - Properties
  - SortedMap
  - TreeMap

Cursors
- ❖ Enumeration
- ❖ Iterator
- ❖ ListIterator

Comparable Vs Comparator

Collections Class
Arrays Class

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Indira Rani Murala	100%
Peeraiah Tota	98%
M. Vijaya	94%
S. Madhu Kumar	81%

Durga - In Student words.....

"An EXPERT is a man who has stopped thinking - he knows" -- Frank Lloyd

N. VISWESWARA RAO
SCJP 5.0 : 87%
SCWCD 5.0 : 92%

I am one of the person who cleared SCJP among 500 + students and I am the first person who cleared SCWCD from our "Durga Software Solutions" (DSS).

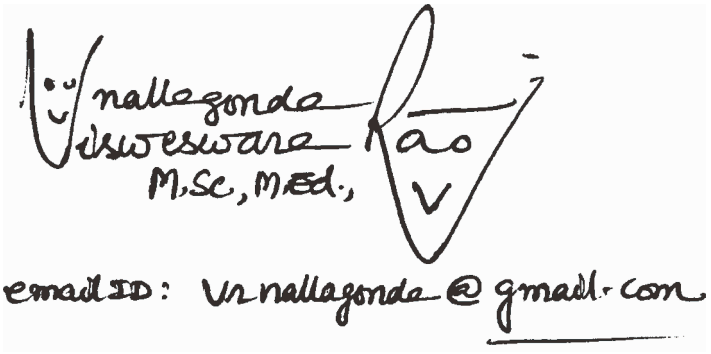
Our beloved, young & dynamic trainer Mr. DURGA, who always has a smiling face with very much eager to learn & train is such an EXPERT who gave us an excellent training for these exams. No Sunday, No Festival, atleast No holiday. So, we got Success. Hence I renamed this DSS as Door Step to Success.

Being a Govt. Teacher having M.Sc(Physics), M.Ed., Qualification i.e., having no technical qualifications, I cleared these esteemed SUN certifications with an ease.

"Success is how high you bounce when you hit the bottom"

Really I hit the bottom and bounced to get the job in a lovely MNC as a Software Engineer. This happens only through the golden training provided by our "DURGA" Sir.

Success is not a destiny, but an endless journey. Our DSS has that type of journey, So I redifined DSS as address for the "Dynamic Successful Stories". So, come and add your success story in this journey.



Next Should Be Yours.... Be Ready.....

Durga - In Student words.....

Arise, Awake! And stop not until the goal is reached — Swami Vivekananda

K. RAJAVARDHAN REDDY

SCJP 5.0 : 98%

I am one of the Person who cleared SCJP 5.0 with 98% from Durga Software Solutions. I have learnt Java 5.0 and related content in depth, both in terms of API and lot of programming techniques in the classes held at DSS.

I pursued B.Tech in 2005 and working for top MNC as S/W Test engineer. As a computer Science Engineering graduate, "Getting into Java Development" is my Burning Desire. Being into Testing, getting into Java development is Miracle, But I achieved it under guidance of Durga Sir who always cheers me in Good times, encourage me in Bad times. My wearing of the Hat (Having multiple offers in my Hand from TOP MNCs (Amdocs, Polaris, Persistent, Oracle with attractive CTC) would be off to him. I have been fortunate to get trained and suggestions from him to achieve my Burning desire.

And finally My Heartful gratitude to Durga Sir who made me looks into every nook and cranny of Java. I would forever remain indebted to sir. With the support from the team at DSS I have become achiever in this java world..

Thanks Sir, its a wonderful experience being a student of Durga Software Solutions.

K. Rajavardhan Reddy

E-Mail : raj.kottam@gmail.com

Durga - In Student words.....

Everyone strives for success and choose their own way to get succeed in their life.

P. ANUP REDDY
SCJP 5.0 : 83%

As far as I'm concerned, it is not only matters to set goal in our life but also the way we choose to reach that is the thing which matters..

In the path to reach my goal, I have found one place where I can get lot of support as well as guidenace which I know that helps alot to succeed in my life. That is Durga Software Solutions, as I knew his excellent teaching skills, determination and dedication will help me to become a very good programmer in java technology.

Truly speaking, the day I joined in Durga sir's institute, I was totally unaware of java and don't know very basic concepts of java, but after going through the training sessions which were taken by Durga sir regarding SCJP and SCWCD, I just got immense confidence to attend the interviews, which landed me into a position where I am holding offers from **Multiple MNCs (Virtusa, Sonata, CGSL, Liquid hub, Ktwo technologies)** *and also cleared my certification with a very good percentage.*

One thing is for sure, along with this intensive training sessions given by durga sir, if one can work hard to be fluent in English speaking skills, can create miracles in this Software Industry.

I think, it is the time for us to stand and cheer for the achiever, the one who recognizes the challenge and does something about it.

P. ANUP REDDY

E-mail: pateeluanup@gmail.com