
Training Course Details for Java Fundamentals

Course Code	:	STJF
Objectives	:	The purpose of this course is to provide students with a basic knowledge of Java programming. This course provides sufficient background for the student to undertake the “FCN/FCJ Java Functions” training course.
Course Duration	:	2 days
Training Hours	:	morning session 9 ⁰⁰ to 12 ⁰⁰ afternoon session 13 ⁰⁰ to 16 ⁰⁰
Trainees	:	8 maximum
Participants	:	This course is designed for engineers with some knowledge of programming and who wish to attend the “FCN/FCJ Java Function” training course.
Prerequisite	:	The student must have some prior experience in programming in other languages. Knowledge of any one of the following languages is particularly recommended: Structured Text (IEC61131-3), SEBOL (CS3000), C++, Visual Basic.
Documentation	:	Stardom Java Fundamentals Training Manual / Sample programs
Location	:	Please refer to the supplied Orientation sheet for venue details.
Additional Information	:	Lunch will be provided.
Contact Information	:	National Training Centre Yokogawa Australia Pty Ltd Tower A Level 2 112 – 118 Talavera Rd, MACQUARIE PARK NSW 2113 AUSTRALIA telephone : +61 2 8870 1100 facsimile : +61 2 8870 1111 e-mail : training@au.yokogawa.com Training site : http://www.yokogawa.com/au/cp/trainingcentre.htm Website : http://www.yokogawa.com/au/

Course Timetable

Day	Time	Lectures	ref	Workshops	ref
1	9am	Introduction to Java	1.1-2		
	9.15am	Installation and Setup		Procedure – System Setup	3.1
	9.45am	Constructing a Java Program	1.3	Exercise – create a simple program	3.2
	10.30am	tea break			
	10.45am	Data Handling	1.4.1-3		
	11.15am	Expressions & Operators	1.5	Exercise – extend the program	3.3
	12pm	Lunch			
	1pm	Arrays, Vectors, Enumeration	1.4.4-6	Exercise – Advanced data handling	3.4
	2pm	Control Statements	1.6	Exercise – Recipe function	3.5
	3pm	tea break			
	3.15pm	Object, Classes & Packages	1.7	Exercise – Motor control function	3.6
	5pm	finish			
2	9am	Error Handling	1.8	Exercise – Error function for Motor Control	3.7
	10.30am	tea break			
	10.45am	Java Library functions	2.2	Exercises – Time stamp function	3.8
	12pm	lunch			
	1pm	Creating and Using Files	2.3		
	3pm	tea break			
	3.15pm			Exercise – Example of using files	2.3.6
	5pm	finish			