IBM

C147

PL/1 'F' ADVANCED WORKSHOP

STUDENT NOTES

UK Form No. 53 - 0200-1

Course Timetable

DAY		TOPIC
Mon.		
	a.m.	CONTROLLED ALLOCATE and FREE
	p.m.	CONTROLLED vs BASED LIST PROCESSING example AREA and OFFSET
Tues.		
	a.m.	LIST PROCESSING Case Study
	p.m.	PREPROCESSOR
Wed.		
	a.m.	DEBUG PARM, RETURN CODES, CORE DUMPS CHECKPOINT/RESTART, SORT.
	p.m.	COMPILER OUTPUT
Thurs.		
	a.m.	DEBUG and RESUBMIT COMPILER OUTPUT (contd)
	p.m.	COMPILER OUTPUT and CORE DUMPS DEBUG and RESUBMIT
Fri.		
	a.m.	CORE DUMPS (contd) OPTIMISATION
	p.m.	OPTIMISATION (contd)
		WIND UP 3pm. - 3.30 pm.

INDEX

Course Description

This course includes List Processing Techniques, Based and Controlled variables, the Preprocessor, the structure of the object code produced by the PL/I 'F' level compiler, and optimization.

Course Objectives

On successful completion of the course the student should be able to:

Code routines to make use of the following PL/I Language items:-
CTL, POINTER, OFFSET, AREA, REFER, ->, NULL, NULLO

Describe the facilities of the Preprocessor.

State the meaning and use of DSA, VDA, PRV, LWS, DCLCB, FCB, Dope Vectors, Prologue, Epilogue, Static CSECT, Pseudo Registers.

Describe how PL/I handles END, GOTO, RETURN, ON

Locate any type of variable in a core dump.

State several ways of making a PL/I program more efficient.

Course Pre-requisites

This course is intended for senior PL/I programmers with at least six months experience of PL/I. They should have attended C145 or C146 and C160 (or have equivalent understanding of OS) and a reading knowledge of Assembler Language.

Course Duration

1 week (the course will not finish until mid-afternoon on the Friday).

Practical Work

Students will code and run a practical problem and should therefore bring with them the PL/I Reference Manual and the Programmer's Guide.