

Intermediate RPG

Program Design Evaluation Form - Name: _____

Chapter 9 Program Assignment 1 page 243 (50 points)

IPO

- (1 point) Input column identifies all input fields
- (1 point) Output column identifies all Output fields
- (1 point) Variable names follows naming convention
- (1 point) Processing logic describes what has to be done

Hierarchy Chart

- (6 point) Hierarchy chart follows IPO

Solution Algorithm

- (1 point) Algorithm developed for each module in Hierarchy Chart
- (1 point) Names in algorithm match input and output variables name in IPO
- (1 point) Processing logic gets the correct variables
- (1 point) Processing logic correctly solves the problem
- (1 point) Processing logic displays the correct variables

Desk Check

- (1 point) Two records using input data from WUEXAMP file
- (1 point) Correct expected results
- (1 point) Relevant variable names, DOW and IF from algorithm are included
- (1 point) Correct statement numbers match algorithm

Miscellaneous

- (1 point) IPO, Hierarchy Chart, Algorithm and Desk Check typed

Program (R09P1xxx)

- (1 point) Standard Heading Documentation (Name, Date, Description)
- (1 point) Comment lines to divide each type of Specification Form
- (1point) Comments used to explain mainline
- (1 point) Program variables coded according to naming standards
- (1 point) RPG reserved words coded according to naming standards
- (1 point) Fields defined
- (1 point) Check for overflow
- (1 point) Correct rounding
- (1 point) Program uses subroutines
- (1 point) Program uses CTDATA and Array for grade lookup
- (1 point) *INLR turned on/Return
- (1 point) Program follows design
- (1 point) Severity Codes = 00

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Output/Testing(Print out report)

- (1 point) Standard Heading Line1 (Program Name, Title, Page)
- (1 point) Standard Heading Line2(Date, Last Name)
- (1 point) Heading/column Line Spacing Correct
- (1 point) Detail line spacing correct
- (1 point) Page break correct
- (1 point) Social Security edited
- (2 point) Student first and last name printed as one field
- (2 point) Correct Average Grade by Student
- (2 point) Correct Final Letter Grade by Student
- (2 point) Correct Class Average Grade by Exam
- (2 point) Correct Overall Class Average Grade
- (1 point) Total line spacing correct