identification division.

program-ID. Payroll-info.

environment division.

input-output section.

file-control.

select employee-file

assign to 'H:\cobol\io\petraitis-fin2016-input.txt'

organization is line sequential.

select data-file

assign to 'H:\cobol\io\petraitis-fin2016-output-1.txt'

organization is line sequential.

select error-file

assign to 'H:\cobol\io\petraitis-fin2016-output-2.txt'

organization is line sequential.

data division.

file section.

fd employee-file.

01 employee-file-rec.

05 employee-no pic x(5).

05 employee-name pic x(20).

05 emp-address pic x(25).

05 city pic x(15).

05 state pic x(2).

05 zipcode pic x(5).

05 tenure pic 99.

05 salary pic 9(6).

05 salary-level pic xx.

05 pos-title pic x(7).

fd data-file.

01 data-rec.

05 employee-no-out pic x(6).

05 filler-space pic x(2).

05 employee-name-out pic x(20).

05 filler-space pic x(2).

05 pos-title-out pic x(10).

05 filler-space pic x(2).

05 date-of-entry-out pic x(10).

05 filler-space pic x(2).

05 salary-level-out pic 99.

05 filler-space pic x(3).

05 annual-salary-out pic $zz9,999.

05 filler-space pic x(3).

05 tenure-out pic 99.

05 filler-space pic x(4).

05 eligibility pic x.

05 filler-space pic x(3).

05 salary-increase pic $zz9,999.

05 filler-space pic x(2).

05 annual-bonus pic $zz9,999.

fd error-file.

01 error-rec.

05 employee-no-error pic x(8).

05 emp-name-error pic x(22).

05 pos-title-error pic x(12).

05 date-of-entry-err pic x(12).

05 sal-level-error pic 9(2).

05 filler-space pic x(2) value all ' '.

05 ann-sal-error pic $zz9,999.

05 filler-space pic x(4) value all ' '.

05 tenure-error pic 99.

05 filler-space pic x(4) value all ' '.

05 eligibility-error pic x(4).

05 sal-inc-error pic $zz9,999.

05 filler-space pic x(2) value all ' '.

05 annual-bonus-error pic $zz9,999.

01 error-num-rec.

05 error-no pic x(82).

working-storage section.

01 are-there-more-records pic x(3) value 'yes'.

01 DOE pic x(10) value '12/12/2016'.

01 sal-level pic 99 value 0.

01 sal-bonus pic $999,999 value 0.

01 eligibility-value pic x.

01 sal-inc-value pic $999,999.

01 error-1 pic x(82) value

'ERROR #1: The above record contains a salary that is out of rang

-'e for level 2.'.

01 error-2 pic x(60) value

'ERROR #2: The above record is missing position title data.'.

01 error-data pic 9 value 0.

01 salary-title-1.

05 pic x(27) value 'EMPLOYEE SALARY INFORMATION'.

01 salary-title-2.

05 pic x(27) value 'MIS 280: COBOL I FINAL EXAM'.

01 salary-title-3.

05 pic x(24) value 'AUTHOR: JASON PETRAITIS'.

01 salary-title-4.

05 pic x(16) value 'DATE: 12/12/2016'.

01 salary-header.

05 pic x(11) value 'EMPNO '.

05 PIC X(22) value 'EMP\_NAME '.

05 pic x(12) value 'POS\_TITLE '.

05 pic x(12) value 'DOE '.

05 pic x(5) value 'SL '.

05 pic x(11) value 'ANN\_SAL '.

05 pic x(6) value 'TEN '.

05 pic x(4) value 'EL '.

05 pic x(10) value 'SAL\_INC '.

05 pic x(7) value 'ANN\_BON'.

01 salary-space.

05 pic x(80) value spaces.

01 error-title-1.

05 pic x(42) value

'EMPLOYEE SALARY INFORMATION - ERROR REPORT'.

01 error-title-2.

05 pic x(27) value 'MIS 280: COBOL I FINAL EXAM'.

01 error-title-3.

05 pic x(24) value 'AUTHOR: JASON PETRAITIS'.

01 error-title-4.

05 pic x(16) value 'DATE: 12/12/2016'.

01 error-header.

05 pic x(8) value 'EMPNO '.

05 PIC X(22) value 'EMP\_NAME '.

05 pic x(12) value 'POS\_TITLE '.

05 pic x(12) value 'DOE '.

05 pic x(5) value 'SL '.

05 pic x(11) value 'ANN\_SAL '.

05 pic x(6) value 'TEN '.

05 pic x(4) value 'EL '.

05 pic x(10) value 'SAL\_INC '.

05 pic x(7) value 'ANN\_BON'.

01 error-space.

05 pic x(82) value spaces.

procedure division.

100-main-module.

open input employee-file

output data-file

output error-file

write data-rec from salary-title-1

write data-rec from salary-title-2

write data-rec from salary-title-3

write data-rec from salary-title-4

write data-rec from salary-space

write data-rec from salary-header

write data-rec from salary-space

write error-rec from error-title-1

write error-rec from error-title-2

write error-rec from error-title-3

write error-rec from error-title-4

write error-rec from error-space

write error-rec from error-header

write error-rec from error-space

PERFORM UNTIL ARE-THERE-MORE-RECORDS = 'NO'

READ employee-file

AT END

MOVE 'NO' TO ARE-THERE-MORE-RECORDS

NOT AT END

PERFORM 200-main-MODULE

PERFORM 300-main-module

perform 400-main-module

perform 500-main-module

perform 600-main-module

END-READ

END-PERFORM

CLOSE employee-FILE

data-FILE

error-file

STOP RUN.

200-main-module.

if salary >= 30000 and <= 48999

then compute sal-level = 01

end-if.

if salary >= 49000 and <= 78999

then compute sal-level = 02

end-if.

if salary >= 79000 and <= 110000

then compute sal-level = 03

end-if.

300-main-module.

if tenure >= 6

then move 'Y' to eligibility-value

compute sal-inc-value = (salary \* .06)

end-if.

if tenure is less than 06

then move 'N' to eligibility-value

move 0 to sal-inc-value

end-if.

400-main-module.

if sal-level = 3

then compute sal-bonus = (salary \* .11)

end-if.

if sal-level is not = 3

then move 0 to sal-bonus

end-if.

500-main-module.

if sal-level is not = salary-level

then move 1 to error-data

end-if.

if pos-title = ' '

then move 2 to error-data

end-if.

if sal-level is = salary-level and pos-title is not =

' '

then move 0 to error-data

end-if.

600-main-module.

if error-data = 0

then move employee-no to employee-no-out

move employee-name to employee-name-out

move pos-title to pos-title-out

move salary-level to salary-level-out

move salary to annual-salary-out

move tenure to tenure-out

move eligibility-value to eligibility

move sal-inc-value to salary-increase

move DOE to date-of-entry-out

move sal-bonus to annual-bonus

write data-rec

end-if.

if error-data = 1

then move employee-no to employee-no-error

move employee-name to emp-name-error

move pos-title to pos-title-error

move salary-level to sal-level-error

move salary to ann-sal-error

move tenure to tenure-error

move eligibility-value to eligibility-error

move sal-inc-value to sal-inc-error

move sal-bonus to annual-bonus-error

move doe to date-of-entry-err

write error-rec

write error-num-rec from error-1

end-if.

if error-data = 2

then move employee-no to employee-no-error

move employee-name to emp-name-error

move pos-title to pos-title-error

move salary-level to sal-level-error

move salary to ann-sal-error

move tenure to tenure-error

move eligibility-value to eligibility-error

move sal-inc-value to sal-inc-error

move sal-bonus to annual-bonus-error

move doe to date-of-entry-err

write error-rec

write error-num-rec from error-2

end-if.

43567IAN HENDERSON 1309 SPRINGBANK ST. DETROIT MI480240509600003Clerk

21349JANET LEASA 12700 GRATIOT ST. WARREN MI480770208420003Acct

90812COREY HAYES 400 BRUSH ST. DETROIT MI480240504150001

00124SCOTT TOKLEY 2003 INDIAN RD. TAYLOR MI480750104700001Admin

88976JUDY FISHER 2200 WOODWARD AVE. DETROIT MI480250706780002Mgmt

62612SHAWN MITCHELL 510 HOLLYWOOD PL. DETROIT MI480250506300002Mgmt

11211MARCUS PILLON 1450 JOY RD DEARBORN MI480770305600002HR

13246BRIAN GUENETTE 456 TRUMBULL ST. DETROIT MI480240304987001Sec

28247KIM MIKA 456 LAFAYETTE ST. DETROIT MI480240505700002HR

90578KYLE THOMPSON 1617 MAPLE RD. WARREN MI480561109875003Exec

90879SUE DONALDSON 11 CASS AVE. DETROIT MI480241007980001Exec

52687SCOTT TOKLEY 2003 WATERWORKS CHICAGO IL480240904605501Sec

55981COREY HAYES 1271 MARTIN LANE CHICAGO IL482990305000002HR

22315IAN HENDERSON 20606 LAWNDALE CICERO IL490020606250002Mgmt

47786JEREMY FISHER 379 STATE ST. CHICAGO IL482990306300002Mgmt

68774SHAWN JACKSON 1123 WASHINGTON ST. CHICAGO IL480990805625002IS

01010LARRY BARNETT 42 MAXIMUS AVE NEWPORT BEACH CA970860910590002IS

96222BARRY MITCHELL 52 CEDAR ST. DANBURY CT068100208500003IS

01284GEORGE WASHINGTON 21 JUMP STREET NEW YORK NY122451525598003Exec

01159TOM JEFFERSON 5 CONSTITUTION DR. ALEXANDRIA VA331412209600003Exec

11224FRANK BARNES 22-346 DEWPOINT BLVD. COMMERCE CITY PA332520704850001

22235LEWIS CLARK 45 SUNSET DR. CHEYENNE WY840860905260002HR

33546LISA MCDOWELL P.O. BOX 426 DEARBORN MI485560208690003Mgmt

55901SUE MURRAY 44 ASH BLVD. MINNEAPOLIS MN559640506350002HR

06668MARIE SHIPP 678-96A SCENIC DR. GREENWICH CT064120710250003IS

43567JIM GORSS 1309 FALBANK ST. EAST LANSING MI480240509600003Exec

21349JEANNIE BEEKAM 447-3 DESTINY WAY HARTFORD CT480770208420002IS

90812COREL PORA 400 SENJEM ST. NORTH CONWAY NH480240504150002Clerk

00124DOLORES CASTLE 20 MY WAY PARSIPPANY NY480750104700001Clerk

88976HUTCH MISSIAM 976 HOCUS POCUS ST MATAWAN WY480250706780002HR

62612SHAWN MITCHELL 107 CRESCENT RD. WANAQUE NJ480250506300002HR

11211MARCUS PILLON 1450 JOY RD DEARBORN MI480770305600002Admin

13246BRIAN GUNTHER 456 TRUMBULL ST. BURLINGTON VT480240304987001Admin

28247KIM STEVENS 456 MEADBROOK AVE WASHINGTON NJ480240505700002Admin

90578ELLIOT MAPLES 1617 MILL PLAIN RD DANBURY CT068111109875003Exec

90879FAVRE BAKER 11 CASTLETON ST SACRAMENTO CA480241007980003Finance

52687TOM FISCHER 828 ELTON HILLS DR ROCHESTER MN559010904605501Admin

55981DEBORAH FRIEDMAN 12 PEACOCK LANE COMMERCE CITY CO482990305000002Admin

22315CLARK KENT 1 FORTEESS OF SOLITUDE NORTH POLE AK490020606250002Mgmt

47786BRUCE WAYNE 1 WAYNE MANOR GOTHAM NY112110306300002Mgmt

68774SHAWN JACKSON 42ND ST NEW YORK NY112110805625002

01010DIANA WOWZER 9871 FORTUNOFF LANE NEWPORT BEACH CA970860910590001Finance

96222KATHERINE STORCH 442 NUTLEY LANE CHESTNUT FL333190208500003Finance

01284ANGEL MEEK 21 1ST AVE SOUTH CLEVELAND OH122451525598003

01159BIANCA GREECE 13 HOHOKUS LANE HOHOKUS NJ331412209600003IS

11224BARNEY RUBBLE 22-346 STONEHEDGE RD COMMERCE CITY PA332520704850001

22235FRED FLINTSTONE 45 SUNSET DR. SUNNYVALE CA840860905260002Sec

33546LINDA MCMASTER P.O. BOX 978 DEARBORN MI485560208690003Mgmt

55901PATRICIA PLEADS 19 VOLCANO AVE HONOLULU HI999590506350002Acct

06668SCOTTI PANDORA 6784 SCENIC DR. GREENWICH CT064120710250003IS

EMPLOYEE SALARY INFORMATION - ERROR REPORT

MIS 280: COBOL I FINAL EXAM

AUTHOR: JASON PETRAITIS

DATE: 12/12/2016

EMPNO EMP\_NAME POS\_TITLE DOE SL ANN\_SAL TEN EL SAL\_INC ANN\_BON

90812 COREY HAYES 12/12/2016 01 $ 41,500 05 N $ 0,000 $ 0,000

ERROR #2: The above record is missing position title data. 0,000 $ 0,000

13246 BRIAN GUENETTE Sec 12/12/2016 01a.$ 49,870 03 N $ 0,000 $ 0,000

ERROR #1: The above record contains a salary that is out of range for level 2. 0,000 $ 0,000

90879 SUE DONALDSON Exec 12/12/2016 01 o$ 79,800for 10vel Y $ 4,788 $ 8,778

ERROR #1: The above record contains a salary that is out of range for level 2. 4,788 $ 8,778

01010 LARRY BARNETT IS 12/12/2016 02 o$105,900for 09vel Y $ 6,354 $ 11,649

ERROR #1: The above record contains a salary that is out of range for level 2. 6,354 $ 11,649

11224 FRANK BARNES 12/12/2016 01 o$ 48,500for 07vel Y $ 2,910 $ 0,000

ERROR #2: The above record is missing position title data. 2,910 $ 0,000

21349 JEANNIE BEEKAM IS 12/12/2016 02a.$ 84,200 02 N $ 0,000 $ 9,262

ERROR #1: The above record contains a salary that is out of range for level 2. 0,000 $ 9,262

90812 COREL PORA Clerk 12/12/2016 02 o$ 41,500for 05vel N $ 0,000 $ 0,000

ERROR #1: The above record contains a salary that is out of range for level 2. 0,000 $ 0,000

13246 BRIAN GUNTHER Admin 12/12/2016 01 o$ 49,870for 03vel N $ 0,000 $ 0,000

ERROR #1: The above record contains a salary that is out of range for level 2. 0,000 $ 0,000

68774 SHAWN JACKSON 12/12/2016 02 o$ 56,250for 08vel Y $ 3,375 $ 0,000

ERROR #2: The above record is missing position title data. 3,375 $ 0,000

01010 DIANA WOWZER Finance 12/12/2016 01a.$105,900 09 Y $ 6,354 $ 11,649

ERROR #1: The above record contains a salary that is out of range for level 2. 6,354 $ 11,649

01284 ANGEL MEEK 12/12/2016 03 o$255,980for 15vel Y $ 15,358 $ 28,157

ERROR #2: The above record is missing position title data. 15,358 $ 28,157

11224 BARNEY RUBBLE 12/12/2016 01a.$ 48,500 07 Y $ 2,910 $ 0,000

ERROR #2: The above record is missing position title data. 2,910 $ 0,000

EMPLOYEE SALARY INFORMATION

MIS 280: COBOL I FINAL EXAM

AUTHOR: JASON PETRAITIS

DATE: 12/12/2016

EMPNO EMP\_NAME POS\_TITLE DOE SL ANN\_SAL TEN EL SAL\_INC ANN\_B

43567 IAN HENDERSON Clerk 12/12/2016 03 $ 96,000 05 N $ 0,000 $ 10,560

21349 JANET LEASA Acct 12/12/2016 03 $ 84,200 02 N $ 0,000 $ 9,262

00124 SCOTT TOKLEY Admin 12/12/2016 01 $ 47,000 01 N $ 0,000 $ 0,000

88976 JUDY FISHER Mgmt 12/12/2016 02 $ 67,800 07 Y $ 4,068 $ 0,000

62612 SHAWN MITCHELL Mgmt 12/12/2016 02 $ 63,000 05 N $ 0,000 $ 0,000

11211 MARCUS PILLON HR 12/12/2016 02 $ 56,000 03 N $ 0,000 $ 0,000

28247 KIM MIKA HR 12/12/2016 02 $ 57,000 05 N $ 0,000 $ 0,000

90578 KYLE THOMPSON Exec 12/12/2016 03 $ 98,750 11 Y $ 5,925 $ 10,862

52687 SCOTT TOKLEY Sec 12/12/2016 01 $ 46,055 09 Y $ 2,763 $ 0,000

55981 COREY HAYES HR 12/12/2016 02 $ 50,000 03 N $ 0,000 $ 0,000

22315 IAN HENDERSON Mgmt 12/12/2016 02 $ 62,500 06 Y $ 3,750 $ 0,000

47786 JEREMY FISHER Mgmt 12/12/2016 02 $ 63,000 03 N $ 0,000 $ 0,000

68774 SHAWN JACKSON IS 12/12/2016 02 $ 56,250 08 Y $ 3,375 $ 0,000

96222 BARRY MITCHELL IS 12/12/2016 03 $ 85,000 02 N $ 0,000 $ 9,350

01284 GEORGE WASHINGTON Exec 12/12/2016 03 $255,980 15 Y $ 15,358 $ 28,157

01159 TOM JEFFERSON Exec 12/12/2016 03 $ 96,000 22 Y $ 5,760 $ 10,560

22235 LEWIS CLARK HR 12/12/2016 02 $ 52,600 09 Y $ 3,156 $ 0,000

33546 LISA MCDOWELL Mgmt 12/12/2016 03 $ 86,900 02 N $ 0,000 $ 9,559

55901 SUE MURRAY HR 12/12/2016 02 $ 63,500 05 N $ 0,000 $ 0,000

06668 MARIE SHIPP IS 12/12/2016 03 $102,500 07 Y $ 6,150 $ 11,275

43567 JIM GORSS Exec 12/12/2016 03 $ 96,000 05 N $ 0,000 $ 10,560

00124 DOLORES CASTLE Clerk 12/12/2016 01 $ 47,000 01 N $ 0,000 $ 0,000

88976 HUTCH MISSIAM HR 12/12/2016 02 $ 67,800 07 Y $ 4,068 $ 0,000

62612 SHAWN MITCHELL HR 12/12/2016 02 $ 63,000 05 N $ 0,000 $ 0,000

11211 MARCUS PILLON Admin 12/12/2016 02 $ 56,000 03 N $ 0,000 $ 0,000

28247 KIM STEVENS Admin 12/12/2016 02 $ 57,000 05 N $ 0,000 $ 0,000

90578 ELLIOT MAPLES Exec 12/12/2016 03 $ 98,750 11 Y $ 5,925 $ 10,862

90879 FAVRE BAKER Finance 12/12/2016 03 $ 79,800 10 Y $ 4,788 $ 8,778

52687 TOM FISCHER Admin 12/12/2016 01 $ 46,055 09 Y $ 2,763 $ 0,000

55981 DEBORAH FRIEDMAN Admin 12/12/2016 02 $ 50,000 03 N $ 0,000 $ 0,000

22315 CLARK KENT Mgmt 12/12/2016 02 $ 62,500 06 Y $ 3,750 $ 0,000

47786 BRUCE WAYNE Mgmt 12/12/2016 02 $ 63,000 03 N $ 0,000 $ 0,000

96222 KATHERINE STORCH Finance 12/12/2016 03 $ 85,000 02 N $ 0,000 $ 9,350

01159 BIANCA GREECE IS 12/12/2016 03 $ 96,000 22 Y $ 5,760 $ 10,560

22235 FRED FLINTSTONE Sec 12/12/2016 02 $ 52,600 09 Y $ 3,156 $ 0,000

33546 LINDA MCMASTER Mgmt 12/12/2016 03 $ 86,900 02 N $ 0,000 $ 9,559

55901 PATRICIA PLEADS Acct 12/12/2016 02 $ 63,500 05 N $ 0,000 $ 0,000

06668 SCOTTI PANDORA IS 12/12/2016 03 $102,500 07 Y $ 6,150 $ 11,275