

```
Command . . . . . : CRTRPGMOD
  Issued by . . . . . : DC433E08

Module . . . . . : PAYROLLPG3
  Library . . . . . : DC433E08
Text 'description' . . . . . : *SRCMBRTXT

Source Member . . . . . : PAYROLLPG3
Source File . . . . . : PAYROLLAPP
  Library . . . . . : DC433E08
  CCSID . . . . . : 37
Text 'description' . . . . . :
Last Change . . . . . : 07/15/21 02:52:06

Generation severity level . . . : 10
Compiler options . . . . . :
  *XREF          *GEN          *NOSECLVL  *SHOWCPY
  *EXPDDS        *EXT          *NOSHOWSKP *NOSRCSTMT
  *DEBUGIO       *UNREF        *EVENTF

Debugging views . . . . . : *SOURCE
Debug encryption key . . . . . : *NONE
Output . . . . . : *PRINT
Optimization level . . . . . : *NONE
Source listing indentation . . . : *NONE
Type conversion options . . . . . : *NONE
Sort sequence . . . . . : *HEX
Language identifier . . . . . : *JOB RUN
Replace module . . . . . : *YES
Authority . . . . . : *LIBCRTAUT
Truncate numeric . . . . . : *YES
Fix numeric . . . . . : *NONE
Target release . . . . . : *CURRENT
Allow null values . . . . . : *NO
Storage model . . . . . : *INHERIT
Binding directory . . . . . : *NONE
Define condition names . . . . . : *NONE
Enable performance collection . : *PEP
Profiling data . . . . . : *NOCOL
Licensed Internal Code options . :
Generate program interface . . . : *NO
Include directory . . . . . :
Preprocessor options . . . . . : *NONE
```

Line <----- Source Specifications -----><---- Comments ----> Do Page Change Src Seq
Number1....+....2....+....3....+....4....+....5....+....6....+....7....+....8....+....9....+...10 Num Line Date Id Number

S o u r c e L i s t i n g

1	DCL-F SHIFTWEEK USAGE(*INPUT) KEYED RENAME(SHIFTWEEK:SHIFTWEEKR);	210714	000100

*	RPG name External name	*	
*	File name. : SHIFTWEEK SENEAPAY/SHIFTWEEK	*	
*	Record format(s) : SHIFTWEEKR SHIFTWEEK	*	

2	DCL-F PAYSUMMAR2 WORKSTN;	210714	000101

*	RPG name External name	*	
*	File name. : PAYSUMMAR2 DC433E08/PAYSUMMAR2	*	
*	Record format(s) : RECORD1 RECORD1	*	

3		210714	000102
4	DCL-F SHIFTRATES DISK USAGE(*INPUT) RENAME(SHIFTRATES:SHIFTRATER);	210712	000103

*	RPG name External name	*	
*	File name. : SHIFTRATES SENEAPAY/SHIFTRATES	*	
*	Record format(s) : SHIFTRATER SHIFTRATES	*	

5	DCL-F PAYRPT PRINTER OFLIND(*IN01);	210712	000105

*	RPG name External name	*	
*	File name. : PAYRPT DC433E08/PAYRPT	*	
*	Record format(s) : TITLE TITLE	*	
*	COLHDG COLHDG	*	
*	EMPDETAIL EMPDETAIL	*	
*	TOTALS TOTALS	*	

6		210712	000107
7	DCL-S HOURSOVER PACKED(3);	210712	000108
8		210714	000109
9	DCL-PI Main ExtPgm('PAYROLLPG3'); //program name	210714	000110
10	SHIFTTYPE CHAR(30);	210714	000111
11	END-PI;	210714	000112
12		210712	000113
13=I	SHIFTWEEKR		1000001

*	RPG record format : SHIFTWEEKR		1
*	External format : SHIFTWEEK : SENEAPAY/SHIFTWEEK		1

14=I	A 1 1 WORKSHIFT		1000002
15=I	P 2 3 0HRSWORKED		1000003
16=I	S 4 12 0EMPNUM		1000004
17=I	S 13 13 0PAYCLASS		1000005
18=I	RECORD1		2000001

*	RPG record format : RECORD1		2

Line Number	Source Specifications	Comments	Do Num	Page Line	Change Date	Src Id	Seq Number
19=	ISHFTRATER						3000001
20=I	P 1 3 2DAYHRS						3000002
21=I	P 4 6 2NIGHTHRS						3000003
22=I	P 7 9 2AFTHRS						3000004
23	READ SHIFTRATES;				210712		000114
24	WRITE TITLE;				210712		000115
25	WRITE COLHDG;				210712		000116
26	READ SHIFTWEEK;				210712		000117
27					210712		000118
28	DOW NOT %EOF;		B01		210712		000119
29	EXSR PAYSR;		01		210712		000120
30					210712		000121
31	IF *IN01;		B02		210712		000122
32	WRITE TITLE;		02		210712		000123
33	WRITE COLHDG;		02		210712		000124
34	*IN01 = *OFF;		02		210712		000125
35	ENDIF;		E02		210712		000126
36					210712		000127
37	WRITE EMPDETAIL;		01		210712		000128
38	READ SHIFTWEEK;		01		210712		000129
39	ENDDO;		E01		210712		000130
40					210712		000131
41	TOTWKPAY = TOTREGPAY + TOTOVTPAY;				210712		000132
42	WRITE TOTALS;				210712		000133
43	EXFMT RECORD1;				210712		000134
44	*INLR = *ON;				210712		000135
45	RETURN;				210712		000136
46					210712		000137
47					210712		000138
48	//PAYSR				210712		000139
49	BEGSR PAYSR;				210712		000140
50	SELECT;		B01		210712		000141
51	WHEN WORKSHIFT = '1';		X01		210712		000142
52	HOURLYRATE = DayHrs;		01		210712		000143
53	WHEN WORKSHIFT = '2';		X01		210712		000144
54	HOURLYRATE = AFTHRS;		01		210713		000145
55	WHEN WORKSHIFT = '3';		X01		210712		000146
56	HOURLYRATE = NightHrs; //DayHrs, NightHrs or AftnHrs rates		01		210712		000147
57	ENDSL;		E01		210712		000148
58					210712		000149
59	SELECT;		B01		210712		000150
60	WHEN PAYCLASS = 1;		X01		210713		000151
61	EVAL(H) HOURLYRATE = HOURLYRATE * 1.094;		01		210712		000152
62	WHEN PAYCLASS = 2;		X01		210713		000153
63	EVAL(H) HOURLYRATE = HOURLYRATE * 1.062;		01		210712		000154
64	WHEN PAYCLASS = 3;		X01		210713		000155
65	EVAL(H) HOURLYRATE = HOURLYRATE * 1.043;		01		210712		000156
66	WHEN PAYCLASS = 4;		X01		210713		000157

Line Number	Source Specifications	Comments	Do Num	Page Line	Change Date	Src Id	Seq Number
67	EVAL(H) HOURLYRATE = HOURLYRATE * 1.000;		01		210712		000158
68	ENDSL;		E01		210712		000159
69					210712		000160
70	HOURSOVER = HRSWORKED - 40;				210712		000161
71					210712		000162
72	SELECT;		B01		210712		000163
73	WHEN (HOURSOVER > 0);		X01		210712		000164
74	EVAL(H) OVERPAY = HOURSOVER * (1.5 * HOURLYRATE);		01		210712		000165
75	EVAL REGULARPAY = 40 * HOURLYRATE;		01		210712		000166
76					210712		000167
77	OTHER;		X01		210712		000168
78	EVAL REGULARPAY = HRSWORKED * HOURLYRATE;		01		210712		000169
79	OVERPAY = 0;		01		210712		000170
80	ENDSL;		E01		210712		000171
81					210712		000172
82	WEEKLYPAY = REGULARPAY + OVERPAY;				210712		000173
83					210712		000174
84	TOTREGPAY += REGULARPAY;				210712		000175
85	TOTOVTPAY += OVERPAY;				210712		000176
86	ENDSR;				210712		000177
87=ORECORD1							4000001
	-----						4
	* RPG record format : RECORD1						4
	* External format : RECORD1 : DC433E08/PAYSUMMAR2						4
	-----						4
88=O	DAYHRS 5S ZONE 5,2						4000002
89=O	NIGHTHRS 10S ZONE 5,2						4000003
90=O	TOTREGPAY 19S ZONE 9,2						4000004
91=O	TOTOVTPAY 28S ZONE 9,2						4000005
92=O	TOTWKPAY 37S ZONE 9,2						4000006
93=O	AFTHRS 42S ZONE 5,2						4000007
94=O	SHIFTTYPE 72A CHAR 30						4000008
95=OTITLE							5000001
	-----						5
	* RPG record format : TITLE						5
	* External format : TITLE : DC433E08/PAYRPT						5
	-----						5
96=OCOLHDG							6000001
	-----						6
	* RPG record format : COLHDG						6
	* External format : COLHDG : DC433E08/PAYRPT						6
	-----						6
97=OEMPDETAIL							7000001
	-----						7
	* RPG record format : EMPDETAIL						7
	* External format : EMPDETAIL : DC433E08/PAYRPT						7
	-----						7
98=O	EMPNUM 9S ZONE 9,0						7000002
99=O	WORKSHIFT 10A CHAR 1						7000003
100=O	PAYCLASS 11S ZONE 1,0						7000004
101=O	HOURLYRATE 16S ZONE 5,2						7000005
102=O	HRSWORKED 19S ZONE 3,0						7000006
103=O	REGULARPAY 26S ZONE 7,2						7000007
104=O	OVERPAY 33S ZONE 7,2						7000008
105=O	WEEKLYPAY 40S ZONE 7,2						7000009
106=OTOTALS							8000001

Line	<----- Source Specifications ----->										<----- Comments ----->		Do	Page	Change	Src	Seq	
Number	....1....	+....2....	+....3....	+....4....	+....5....	+....6....	+....7....	+....8....	+....9....	+....10			Num	Line	Date	Id	Number	
	-----																	8
	* RPG record format : TOTALS																	8
	* External format : TOTALS : DC433E08/PAYRPT																	8
	-----																	8
107=0	TOTREGPAY										9S	ZONE	9,2					8000002
108=0	TOTOVTPAY										18S	ZONE	9,2					8000003
109=0	TOTWKPAY										27S	ZONE	9,2					8000004
* * * * * E N D O F S O U R C E * * * * *																		

A d d i t i o n a l D i a g n o s t i c M e s s a g e s

Msg id	Sv	Number	Seq	Message text
*RNF7066	00	4	000103	Record-Format SHIFTRATER not used for input or output.
*RNF7150	00	1	000100	Record SHIFTWEEKR in file SHIFTWEEK contains null capable fields.
*RNF7066	00	1	000100	Record-Format SHIFTWEEKR not used for input or output.
*RNF7086	00	1	000100	RPG handles blocking for file SHIFTWEEK. INFDS is updated only when blocks of data are transferred.
*RNF7086	00	4	000103	RPG handles blocking for file SHIFTRATES. INFDS is updated only when blocks of data are transferred.

* * * * * E N D O F A D D I T I O N A L D I A G N O S T I C M E S S A G E S * * * * *

O u t p u t B u f f e r P o s i t i o n s

Line Start End Field or Constant

Number	Pos	Pos	
88	1	5	DAYHRS
89	6	10	NIGHTHRS
90	11	19	TOTREGPAY
91	20	28	TOTOVTPAY
92	29	37	TOTWKPAY
93	38	42	AFTHRS
94	43	72	SHIFTTYPE
98	1	9	EMPNUM
99	10	10	WORKSHIFT
100	11	11	PAYCLASS
101	12	16	HOURLYRATE
102	17	19	HRSWORKED
103	20	26	REGULARPAY
104	27	33	OVERPAY
105	34	40	WEEKLYPAY
107	1	9	TOTREGPAY
108	10	18	TOTOVTPAY
109	19	27	TOTWKPAY

* * * * * E N D O F O U T P U T B U F F E R P O S I T I O N * * * * *

Key Field Information

File Record	Internal field name	External field name	Attributes
1 SHIFTWEEK			
File is not a keyed database file			
* * * * * END OF KEY FIELD INFORMATION * * * * *			

Cross Reference

File and Record References:

File	Device	References (D=Defined)			
Record					
PAYRPT	PRINTER	5D			
TITLE		5D	24	32	95
COLHDG		5D	25	33	96
EMPDETAIL		5D	37	97	
TOTALS		5D	42	106	
PAYSUMMAR2	WORKSTN	2D			
RECORD1		2D	18	43	87
SHIFTRATES	DISK	4D	23		
SHIFTRATER		4	19		
SHIFTWEEK	DISK	1D	26	38	
SHIFTWEEKR		1	13		

Global Field References:

Field	Attributes	References (D=Defined M=Modified)			
*INLR	N(1)	44M			
*IN01	N(1)	5D	31	34M	
AFTHRS	P(5,2)	22M	54	93	
DAYHRS	P(5,2)	20M	52	88	
EMPNUM	P(9,0)	16M	98		
HOURLYRATE	P(5,2)	52M	54M	56M	61M
		61	63M	63	65M
		65	67M	67	74
		75	78	101	
HOURSOVER	P(3,0)	7D	70M	73	74
HRSWORKED	P(3,0)	15M	70	78	102
NIGHTHRS	P(5,2)	21M	56	89	
OVERPAY	P(7,2)	74M	79M	82	85
		104			
PAYCLASS	P(1,0)	17M	60	62	64
		66	100		
PAYSR	BEGSR	29	49D		
REGULARPAY	P(7,2)	75M	78M	82	84
		103			
SHIFTTYPE	A(30)	10D	94		
	BASED(_QRNL_PRM+)				
TOTOVTPAY	P(9,2)	41	85M	91	108
TOTREGPAY	P(9,2)	41	84M	90	107
TOTWKPAY	P(9,2)	41M	92	109	
WEEKLYPAY	P(7,2)	82M	105		
WORKSHIFT	A(1)	14M	51	53	55
		99			

Indicator References:

Indicator	References (D=Defined M=Modified)			
01	5D	31	34M	
LR	44M			

* * * * * E N D O F C R O S S R E F E R E N C E * * * * *

External References

Statically bound procedures:

Procedure

References

No references in the source.

Imported fields:

Field

Attributes

Defined

No references in the source.

Exported fields:

Field

Attributes

Defined

No references in the source.

* * * * * E N D O F E X T E R N A L R E F E R E N C E S * * * * *

M e s s a g e S u m m a r y

Msg id	Sv	Number	Message text
*RNF7031	00	1	The name or indicator is not referenced.
*RNF7066	00	2	Record-Format name of Externally-Described file is not used.
*RNF7086	00	2	RPG handles blocking for the file. INFDS is updated only when blocks of data are transferred.
*RNF7150	00	1	The record format contains null-capable fields.

* * * * * E N D O F M E S S A G E S U M M A R Y * * * * *

F i n a l S u m m a r y

Message Totals:

Information	(00)	.	.	.	.	.	.	:	6
Warning	(10)	.	.	.	.	.	.	:	0
Error	(20)	.	.	.	.	.	.	:	0
Severe Error	(30+)	.	.	.	.	.	.	:	0

Total	.	.	.	.	.	.	.	:	6

Source Totals:

Records	.	.	.	.	.	.	.	:	109
Specifications	.	.	.	.	.	.	.	:	92
Data records	.	.	.	.	.	.	.	:	0
Comments	.	.	.	.	.	.	.	:	1

* * * * * E N D O F F I N A L S U M M A R Y * * * * *

Module PAYROLLPG3 placed in library DC433E08. 00 highest severity. Created on 07/15/21 at 23:25:02.

* * * * * E N D O F C O M P I L A T I O N * * * * *

```
Program . . . . . : RUNPAYPGM2
Library . . . . . : DC433E08
Source file . . . . . : PAYROLLAPP
Library . . . . . : DC433E08
Source member name . . . . . : RUNPAYPGM2 07/15/21 10:52:15
Source printing options . . . . . : *XREF *NOSECLVL *EVENTF *NODOSLTLVL
User profile . . . . . : *USER
Program logging . . . . . : *JOB
Allow RTVCLSRC command . . . . . : *YES
Default activation group . . . . . : *YES
Activation group . . . . . :
Replace program . . . . . : *YES
Target release . . . . . : V7R4M0
Authority . . . . . : *LIBCRTAUT
Sort sequence . . . . . : *HEX
Language identifier . . . . . : *JOBRUN
Text . . . . . :
Optimization . . . . . : *NONE
Debugging view . . . . . : *SOURCE
Debug encryption key . . . . . : *NONE
Enable performance collection . . . . . : *PEP
Storage model . . . . . : *SNGLVL

Compiler . . . . . : IBM Control Language Compiler
```

Control Language Source

SEQNBR	*...+...	1	...+...	2	...+...	3	...+...	4	...+...	5	...+...	6	...+...	7	...+...	8	...+...	9	...+.	DATE
100-		PGM																		07/14/21
101-																				07/14/21
102-		DCL		&Shift		*CHAR		1												07/14/21
103-		DCL		&ShiftType		*CHAR		30												07/14/21
104-		DCL		&OutQ		*CHAR		10												07/14/21
105-		DCL		&OutQLib		*CHAR		10												07/14/21
106-																				07/14/21
107-		RTVUSRPRF		OUTQ(&OUTQ)		OUTQLIB(&OUTQLIB)														07/14/21
108-		CLROUTQ		&OutQLib/&OutQ																07/14/21
109-																				07/14/21
110-		ADDLIBLE		SENECAPAY																07/14/21
111-		MONMSG		MSGID(CPF0000)																07/14/21
112-																				07/14/21
113-		SNDUSRMSG		MSG('1 - Day Shift, 2 - Afternoon Shift, 3 - Night Shift, 4 - All +																07/14/21
114				Shifts, 5 - EXIT')		MSGRPY(&SHIFT)														07/14/21
115-																				07/14/21
116-		DOWHILE		(&Shift		*NE		'5')												07/14/21
117-		SELECT																		07/14/21
118-		When		(&Shift		=		'1')		DO										07/14/21
119-		CHGVAR		&ShiftType		'D A Y S H I F T'														07/14/21
120-		OVRPRTF		FILE(PAYRPT2)		SPLFNAME(DAYSHIFT)														07/14/21
121-		OVRDBF		SHIFTWEEK		DAYS														07/14/21
122-		CALL		PAYROLLPG2		PARM(&SHIFTTYPE)														07/14/21
123-		DSPSPLF		FILE(DAYSHIFT)		SPLNBR(*LAST)														07/14/21
125-		ENDDO																		07/14/21
126-																				07/14/21

Control Language Source

```
SEQNBR  *...+... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7 ...+... 8 ...+... 9 ...+.  DATE
127-      When      (&Shift = '2') DO      07/14/21
128-          CHGVAR      &ShiftType 'A F T E R N O O N   S H I F T'      07/14/21
129-          OVRPRTF      FILE(PAYRPT2) SPLFNAME(AFTRNSHIFT)      07/14/21
130-          OVRDBF      SHIFTWEEK AFTERNOONS      07/14/21
131-          CALL      PAYROLLPG2 PARM(&SHIFTTYPE)      07/14/21
132-          DSPSPLF      FILE(AFTRNSHIFT) SPLNBR(*LAST)      07/15/21
134-      ENDDO      07/14/21
135-      07/14/21
136-      When      (&Shift = '3') DO      07/14/21
137-          CHGVAR      &ShiftType 'N I G H T   S H I F T'      07/14/21
138-          OVRPRTF      FILE(PAYRPT2) SPLFNAME(NIGHTSHIFT)      07/14/21
139-          OVRDBF      SHIFTWEEK NIGHTS      07/14/21
140-          CALL      PAYROLLPG2 PARM(&SHIFTTYPE)      07/14/21
141-          DSPSPLF      FILE(NIGHTSHIFT) SPLNBR(*LAST)      07/14/21
142-      ENDDO      07/14/21
143-      07/14/21
144-      When      (&Shift = '4') DO      07/14/21
145-          CHGVAR      &ShiftType 'A L L   S H I F T S'      07/15/21
146-          OVRPRTF      FILE(PAYRPT2) SPLFNAME(SHIFTWEEK)      07/15/21
147-          OVRDBF      SHIFTWEEK ALLSHIFTS      07/14/21
148-          CALL      PAYROLLPG2 PARM(&SHIFTTYPE)      07/14/21
149-          DSPSPLF      FILE(SHIFTWEEK) SPLNBR(*LAST)      07/15/21
150-      ENDDO      07/14/21
151-      07/14/21
152-      ENDSELECT      07/14/21
153-      07/14/21
154-      SNDUSRMSG      MSG('1 - Day Shift, 2 - Afternoon Shift, 3 - Night Shift, 4 - All +      07/14/21
155-                      Shifts, 5 - EXIT') MSGRPY(&SHIFT)      07/14/21
156-      07/14/21
157-      ENDDO      07/14/21
158-      07/14/21
159-      SNDPGMMSG      MSG('Okay to clear out an output queue in + school - Never at work in +      07/14/21
160-                      production')      07/14/21
161-      07/14/21
162-      WRKOUTQ      &OutQLib/&OutQ      07/14/21
163-      ENDPGM      07/14/21
```

* * * * * E N D O F S O U R C E * * * * *

Cross Reference

Declared Variables

Name	Defined	Type	Length	References						
&OUTQ	104	*CHAR	10	107	108	162				
&OUTQLIB	105	*CHAR	10	107	108	162				
&SHIFT	102	*CHAR	1	113	116	118	127	136	144	154
&SHIFTTYPE	103	*CHAR	30	119	122	128	131	137	140	145

* CPD0791 00 No labels used in program.

* * * * * E N D O F C R O S S R E F E R E N C E * * * * *

* CPD0772 00 Program contains commands only valid when run interactively.

Message Summary

Total	Severity									
	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99
2	2	0	0	0	0	0	0	0	0	0

Program RUNPAYPGM2 created in library DC433E08 on 07/15/21 at 23:25:08.

Program RUNPAYPGM2 created in library DC433E08. Maximum error severity 00.

* * * * * E N D O F M E S S A G E S U M M A R Y * * * * *

* * * * * E N D O F C O M P I L A T I O N * * * * *