



C6030-042^{Q&As}

Developing with IBM Enterprise PL/I

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**QUESTION 1**

Which of the following techniques, if any, can be used to parallelize a PL/I program?

- A. Attach threads to pieces or work that are independent from others
- B. Attach a thread to every subroutine in the program.
- C. Attach a thread to every external entry in the program.
- D. Parallelization is not possible in PL/I program.

Correct Answer: A

QUESTION 2

Given the following declarations, a list of 100 elements must be created so that the element created last can be accessed as the first element of the list. A new element is always inserted in front of the element created before. The variable NEXT in the last element should contain the value NULL. Which of the following pieces of code implements this?

DCL 1 NODE BASED (ANCHOR).

2 NEXT POINTER,

2 DATA FIXED BIN (31);

DCL ANCHOR POINTER;

DCL P POINTER INIT (NULL());

DCL I FIXED BIN(31);

- A. DO I = 1 TO 100;ALLOCATE NODE;NODE.DATA = I;NODE.NEXT = P;P = ANCHOR;END;
- B. DO I = 1 TO 100;P = ANCHOR;ALLOCATE NODE;NOTE.DATA = I;NODE.NEXT = P;END;
- C. I = 1 TO 100;ALLOCATE NODE;NODE.DATA = I;NODE.NEXT = P;ANCHOR = P;END;
- D. DO I = 1 TO 100;NODE.DATA = I;NODE.NEXT = P;ALLOCATE NODE;P = ANCHOR;END;

Correct Answer: A

QUESTION 3

An external subroutine procedure requires 10 variables belonging to an input file and 10 variables belonging to an output file. What is best practice in passing these variables to the procedure?



- A. Pass the 20 variables individually in the parameter list.
- B. Integrate the 20 variables in one structure and pass the address of the structure in the parameter list.
- C. Declare the 20 variables EXTERNAL in both the calling program and in the procedure called and pass no variable in the parameter list.
- D. Integrate the 10 variables belonging to the input file in one structure and the 10 variables belonging to the output file in another one and pass the addresses of them as parameters to the procedure.

Correct Answer: D

QUESTION 4

What is a program internal specification document?

- A. A description of how the program can be used
- B. A description of how the program does its work
- C. The history of changes of the program and how it worked
- D. A summary of the program's performance data

Correct Answer: B

QUESTION 5

Prerequisite:

A sorted input dataset with record length 100 contains at least one record for each of the values `1`, `2`, `3` in the first byte. The applied sort criteria is 1,100,ch,a.

Requirements:

- 1.) All records with `1` in the first byte must be ignored.
- 2.) All records with `2` in the first byte must be written to the output dataset.
- 3.) If there is a `3` in the first byte, the read iteration must be left.
- 4.) The program must not abend or loop infinitely.

If the code below does not fulfill the specifications provided above, which of the following is the most likely reason?

DCL DDIN FILE RECORD INPUT;

DCL DDOUT FILE RECORD OUTPUT;

DCL 1 INSTRU,

3 A CHAR(1),



```
3 * CHAR(99);

DCL EOF_IN BIT(1) INIT(\0\B);

DCL (Z1,Z2,Z3,ZO) BIN FIXED(31) INIT(0);

ON ENDFILE(DDIN) EOF_IN = `1\B;

READ FILE(DDIN) INTO (INSTRUC);

LOOP: DO WHILE (^EOF_IN);

SELECT(INSTRUC.A);

WHEN(\1\B) DO;

Z1 += Z1;

ITERATE LOOP;

END;

WHEN(`3\B) DO;

Z3 = Z3+1;

LEAVE LOOP;

END;

WHEN(`2\B) DO;

Z2 = Z2+1;

WRITE FILE(DDOUT) FROM(INSTRUC);

END;

OTHER DO;

ZO = ZO+1;

PUT SKIP LIST(INSTRUC.A);

END;

END;/*select*/

READ FILE(DDIN) INTO(INSTRUC);

END ;/*loop*/
```

A. The code does not fulfill the requirement because the program will loop infinitely. A. The code does not fulfill the requirement because the program will loop infinitely.

B. The code does not fulfill the requirement because the last record with `2\B` in the first byte will be written twice to the output dataset.C. The code does not fulfill the requirement because the last record with `2\B` in the first byte will be



written twice to the output dataset.

C. The code does not fulfill the requirement because not all records with `2\\` in the first byte will be written to the output dataset.C. The code does not fulfill the requirement because not all records with `2\\` in the first byte will be written to the output dataset.

D. The code fulfills the requirement.D. The code fulfills the requirement.

Correct Answer: A

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