

C6030-042^{Q&As}

Developing with IBM Enterprise PL/I

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QUESTION 1

Which software quality describes the ability of software to cooperate with other applications?

- A. Reusability
- B. Interoperability
- C. Scalability
- D. Portability

Correct Answer: B

QUESTION 2

In which of the following cases is a performance analyzer tool NOT useful?

- A. To time and tune programs
- B. To locate program hangs and deadlocks
- C. To show the frequency and duration of function calls
- D. To identify the code causing a storage overlay

Correct Answer: D

QUESTION 3

Which of the following is the most likely reason to use a debugger in a production environment?

- A. Enhance performance
- B. Ensure data integrity
- C. Investigate error situations
- D. Test a program

Correct Answer: C

QUESTION 4

Which of the following statements about the newest PL/I compiler is NOT suitable to convince a stakeholder that migration to the new PL/I compiler is necessary?

- A. The new compiler takes advantage of the current machine instruction set.

- B. The new compiler provides new language features.
- C. The new compiler will tolerate more erroneous code.
- D. The new compiler is necessary because current versions of DB2 and CICS only officially support compilers which are "in service".

Correct Answer: C

QUESTION 5

Given the following code:

```
DCL INDATA FILE RECORD INPUT;  
  
DCL INSTRUC CHAR(100);  
  
DCL EOF BIT(1) INIT(\0\B);  
  
ON ENDFILE(INDATA) EOF = `1\B`;  
  
OPEN FILE(INDATA);  
  
READ FILE(INDATA) INTO(INSTRUC);  
  
DO WHILE (^EOF);  
  
CALL SR_PROCESS;  
  
READ FILE(INDATA) INTO(INSTRUC);  
  
END;  
  
CLOSE FILE(INDATA);
```

If the database (input file) changes from OS-PS to DB2 view and the necessary syntax has been changed accordingly, which of the following DB2-related steps is NOT additionally required to guarantee the same level of stability and functionality?

- A. Check the SQLCODE after each EXEC SQL FETCH statement.
- B. Check the SQLCODE after each EXEC SQL OPEN / CLOSE statement.
- C. Set the EOF bit to `1\B`, if SQLCODE = 100 (not found).
- D. Check the CURRENT SQLID.

Correct Answer: D

QUESTION 6

A mainframe project is behind schedule and a project leader has only one copy of a PC-based PL/I compiler available for distribution to team members who are all eager to use it. Optimally, to whom should it be provided first?

- A. The person in the critical path
- B. The person who does the most PL/I development
- C. The person who makes the greatest demand
- D. The project leader and her manager

Correct Answer: A

QUESTION 7

In which of the following examples will a dummy argument be passed?

- A. DCLA EXT ENTRY;DCL (X,Y) FIXED BIN;CALL A(X,Y);
- B. DCL A EXT ENTRY (FIXED, BINARY);DCL (X,Y) FIXED BIN;CALL A(X,Y);
- C. DCL A EXT ENTRY (FIXED BINARY);DCL (X,Y) FIXED BIN;CALL A(X,Y);
- D. PGM: PROC OPTIONS(MAIN);DCL (X,Y) FIXED BIN;CALL C (X,Y);
- E. PROC (A,B);DCL (A,B) BIN FIXED;END C;END PGM;

Correct Answer: B

QUESTION 8

Which of the following PL/I features is NOT new with Enterprise PL/I?

- A. VALUE attribute for named constants.
- B. UNIONS or CELLS to assign identical storage to different variables.
- C. Writing numeric constants with the underscore sign as a separator.
- D. Using hexadecimal constants.

Correct Answer: D

QUESTION 9

The following code is supposed to find the earlier date between today's date and the given input date which is input to the program in YYYYMMDD format. What happens when the program is executed?

```
DCL DATE JN CHAR (8);
```

DCL DATE_MIN CHAR (8);

GET (DATE IN);

DATE_MIN = MIN(SUBSTR(DATETIME(), 1, 8), DATE IN);

- A. The program ends abnormally at runtime.
- B. The statement works as intended.
- C. The resulting value consists of 8 blanks.
- D. The resulting value consists of a mixing of numbers and blanks.

Correct Answer: C

QUESTION 10

Given the following (incomplete) code, how is Q to be declared in order to allocate X in A?

DCL A AREA;

DCL Q ...

DCL X FIXED BIN (31) BASED (Q);

ALLOCATE X;

- A. ... OFFSET(A);
- B. ... POINTER;
- C. ... OFFSET;
- D. ... BASED(A);

Correct Answer: A

QUESTION 11

Which of the following is LEAST likely to be performed by a batch program?

- A. Sorting
- B. Sequential file processing
- C. User interaction
- D. Production of pay checks

Correct Answer: C

QUESTION 12

Which of the following declarations is NOT accepted by the compiler?

- A. DCL A (3,3) FLOAT DEC (16) INIT ((3)(3)1);
- B. DCL B (3,3) FLOAT DEC (16) INIT ((3)(1), (2)(1,1,1));
- C. DCL C (3,3) FLOAT DEC (16) INIT ((9)1);
- D. DCL D (3,3) FLOAT DEC (16) INIT ((*)1);

Correct Answer: A

QUESTION 13

A given PL/I program has a big nesting depth. Which of the following measures will help to reduce the nesting depth in most cases?

- A. Using SELECT constructs instead of If-THEN-ELSE
- B. Using DO-WHILE as the only loop technique
- C. Avoiding ELSE clauses
- D. Avoiding OTHER clauses

Correct Answer: A

QUESTION 14

In the following example what value will be printed to SYSPRINT, if any, from the PUT LIST in PGM_A?

```
PGM_A PROC;  
  
DCL INPARM CHAR (10) INIT(\\'FIRST CALL);  
  
DCL P_OUT PTR;  
  
DCL OUTPARM CHAR(10) BASED (P_OUT);  
  
DCL PGM_B ENTRY(CHAR(10),PTR) EXTERNAL:  
  
CALL P0MB (INPARM,P_OUT);  
  
IF OUTPARM = `RESULT `THEN  
  
DO;  
  
INPARM = "  
  
CALL PGM_B (INPARM,P_OUT);
```

```
END;  
PUT LIST(OUTPARM);  
END;  
PGM_B: PROC(INPARMP_OUT);  
DCL INPARM CHAR (10);  
DCL P_OUT PTR;  
DCL OUTPARM CHAR (10) INIT("");  
P_OUT = ADDR(OUTPARM);  
IF INPARM = `FIRST CALL THEN  
OUTPARM = `RESULT `;  
ELSE  
OUTPARM = `NO RESULT`;   
END;
```

- A. Blanks
- B. `NO RESULT`
- C. Unpredictable
- D. `RESULT`

Correct Answer: C

QUESTION 15

The following structure is used when writing a file on Intel architecture which is sent to the mainframe:

```
DCL 1 A,  
2 B FIXED BIN (31),  
2 C CHAR (100) VAR,  
2 D FIXED BIN (31);
```

How must this structure be declared on the mainframe if the file is to be read correctly?

- A. DCL1 A,2 B FIXED BIN (31) LITTLEENDIAN,2 C CHAR (100) VAR LITTLEENDIAN,2 D CHAR (10);
- B. DCL1 A,2 B FIXED BIN (31) BIGENDIAN,2 C CHAR (100) VAR BIGENDIAN,2 D CHAR (10);
- C. D CL 1 A,2 B FIXED BIN (31) BIGENDIAN,2 C CHAR (100) VAR,2 D CHAR (10);

D. DCL1 A,2 B FIXED BIN (31) LITTLEENDIAN,2 C CHAR (100) VAR,2 D CHAR (10);

Correct Answer: A

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