

C6030-042^{Q&As}

Developing with IBM Enterprise PL/I

Pass IBM C6030-042 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.leads4pass.com/c6030-042.html>

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by IBM Official Exam Center

- ⚙ **Instant Download** After Purchase
- ⚙ **100% Money Back** Guarantee
- ⚙ **365 Days** Free Update
- ⚙ **800,000+** Satisfied Customers



QUESTION 1

Prerequisite:

A sorted input dataset with record length 100 contains at least one record for all 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 program must not read more records.
- 4.) The program must not abend or loop infinitely.

If the following code does not fulfill the requirements above, which would be the reason, if any? DCL DDIN

```
FILE RECORD INPUT;
```

```
DCL DDOUT FILE RECORD OUTPUT;
```

```
DCL 1 INSTRUC,
```

```
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);
```

```
IF EOF_IN THEN LEAVE;
```

```
SELECT(INSTRUC .A);
```

```
WHEN(\\`1\\) DO;
```

```
Z1 += Z1;
```

```
ITERATE LAB;
```

```
END;
```

```
WHEN(\\`3\\) DO;
```

```
Z3 = Z3 + 1;
```

```
LEAVE;
```

```
END;
```

```
WHEN(\\2\\) DO;  
  
Z2 = Z2 + 1;  
  
WRITE FILE(DDOUT) FROM(INSTRUC);  
  
END;  
  
OTHER DO;  
  
ZO = ZO + 1;  
  
PUT SKIP LIST(INSTRUC.A);  
  
END; END;/*SELECT*/  
  
END;/*LOOP*/
```

- A. The code does not fulfill the requirement, because the program will loop infinitely.
- B. The code fulfills the requirement.
- 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 does not fulfill the requirement, because the READ iteration will not be left when the first record with `3\\` in the first byte appears.

Correct Answer: D

QUESTION 2

The following program was written to copy a dataset with record length of 100 to another dataset. If this requirement has not been fulfilled, which is the most likely reason?

```
DCL DDIN FILE RECORD INPUT;  
  
DCL DDOUT FILE RECORD OUTPUT;  
  
DCL INSTRUC CHAR(100);  
  
DCL EOF_IN BIT(1) INIT(\\0\\B);  
  
ON ENDFILE(DDIN) EOF_IN = `1\\B`;  
  
DO UNTIL (EOF_IN);  
  
READ FILE (DDIN) INTO(INSTRUC);  
  
WRITE FILE(DDOUT) FROM(INSTRUC);  
  
END;
```

- A. The code fulfills the requirement.

- B. The code does not fulfill the requirement because the input structure is the same as the output structure.
- C. The code does not fulfill the requirement because the OPEN statements are missing.
- D. The code does not fulfill the requirement because too many records will be written to the output dataset.

Correct Answer: D

QUESTION 3

Which of the following structures will NOT contain padding bytes if the PL/I default for alignment is applied?

- A. DCL 1 A,2 B FLOAT DEC (16),2 C FLOAT DEC (5,2),2 D CHAR (3),2 E FIXED BIN (31),2 F FLOAT DEC (16);
- B. DCL 1 A,2 B FLOAT DEC (16),2 F FLOAT DEC (16),2 E FIXED BIN (31),2 C FIXED DEC (5,2),2 D CHAR (3);
- C. DCL 1 A,2 E FIXED BIN (31),2 C FIXED DEC (5,2),2 B FLOAT DEC (16),2 F FLOAT DEC (16),2 D CHAR (3);
- D. DCL 1 A,2 B FLOAT DEC (16),2 F FLOAT DEC (16),2 C FIXED DEC (5,2),2 E FIXED BIN (31),2 D CHAR (3);

Correct Answer: B

QUESTION 4

What will be printed, if anything, to SYSPRINT after the following statements are executed?

```
CALL REVERSEIT('\\PL/\\');
```

```
(SUBSCRIPTRANGE,SIZE,STRINGSIZE):
```

```
REVERSEIT: PROC(31);
```

```
DCL(I,J) BIN FIXED(31);
```

```
DCL (S,T) CHAR(100) VARYING;
```

```
T = S;
```

```
J = 0;
```

```
I = 0;
```

```
DO I = LENGTH(S) TO 1;
```

```
J = J + 1;
```

```
SUBSTR(T,J,1) = SUBSTR(S,I,1);
```

```
END;
```

```
PUT(T);
```

```
END;
```

- A. `PL\I\I`
- B. `I/LP\I`
- C. SUBSCRIPTRANGE error will be raised.
- D. STRINGSIZE error will be raised.

Correct Answer: A

QUESTION 5

A lead developer reviewing code from one of the programmers found the following code. What should the programmer be told about BY NAME assignments?

```
DCLI STR1, 3FB15 FIXED BIN (15), 3 CH10 CHAR (10), 3 NAME CHAR (25), 3 ADDR CHAR (30), 3 FB31 FIXED BIN (31);  
DCL 1 STR2, 3 FB31 FIXED BIN (31), 3 FB31B FIXED BIN (31), 3 NAME CHAR (20), 3 ADDR CHAR (30), 3  
CH20 CHAR (20); STR2 = STR1, BY NAME;
```

- A. There is nothing wrong with using BY NAME assignments in this situation.
- B. They are incorrect and should be replaced by individual assignments.
- C. They can have inadvertent side effects and the code should be analwed.
- D. They do not work in this case and the code should be replaced by individual assignments.

Correct Answer: C

QUESTION 6

Which of the following runtime options should be reviewed when attempting to improve performance in a PL/I program?

- A. DEPTCONDLMT, INFOMSGFILTER, MSGFILE and RPTOPTS
- B. TRACE, TRAP, CHECK and DEBUG
- C. ALL31, STORAGE, HEAP and STACK
- D. ERRCOUNT, LIBSTACK, HEAPPOOLS and XPLINK

Correct Answer: C

QUESTION 7

Given the following code, what will happen?

```
DCL(K, L) FIXED DEC (1);
```

```
K= 1;
```

L = 2;

PUT SKIP LIST (12+K/L);

A. The output is 12.5.

B. The program ends abnormally at runtime.

C. The resulting value is 6.5.

D. The output is 12.499999999999999.

Correct Answer: B

QUESTION 8

Which of the following declarations uses the LEAST memory? DCL 1 S1 ALIGNED,

2 A CHAR(3),

2 B BIN FIXED(31),

2 C DEC FIXED(5), 2 D BIN FIXED(15); DCL 1 S2 UNALIGNED, 2 A CHAR(3), 2 B BIN FIXED(31), 2 C DEC FIXED(5),
2 D BIN FIXED(15); DCL 1 S3 ALIGNED, 2 B BIN FIXED(31), 2 A CHAR(3), 2 D BIN FIXED(15), 2 C DEC FIXED(5);

DCL 1 S4 ALIGNED, 2 D BIN FIXED(15), 2 A CHAR(3), 2 B BIN FIXED(31), 2 C DEC FIXED(5);

A. S1

B. S2

C. S3

D. S4

Correct Answer: B

QUESTION 9

A compiler listing annotated with execution counts per statement helps identify all of the following EXCEPT

A. Potentially miscoded conditions in IFs, WHEREs, WHILEs, and UNTILs

B. Unexecuted statements and procedures

C. Calls to library routines

D. Opportunities for code optimization

Correct Answer: C

QUESTION 10

Given the following code, which condition would be raised first (if ENABLED)?

```
DCL A(50000) CHAR (8);
```

```
DCL I BIN FIXED (31);
```

```
DCL J BIN FIXED (15);
```

```
DCI = 1 TO 100_000;
```

```
J = I;
```

```
A(J) = I;
```

```
END;
```

A. SIZE

B. FIXEDOVERFLOW

C. SUBSCRIPTRANGE

D. CONVERSION

Correct Answer: A

QUESTION 11

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 INSTRUC,
```

```
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

QUESTION 12

Given the following declaration, how many bytes will be occupied by this structure under the default alignment rules?

DCL 1 A DIM (10), 2 B FIXED BIN (31), 2 C CHAR (1)VAR;

A. 70

B. 77

C. 79

D. 80

Correct Answer: C

QUESTION 13

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 14

Given the following declaration, what declaration of B would cause the structure A to be invalid? DCL K

FIXED BIN (31) VALUE (10);

DCL P POINTER;

DCL 1 A BASED (P),

2 B FIXED BIN (31),

2 C DIM (K REFER (B)),

3 D FIXED BIN (31),

3 E CHAR (4);

ALLOCATE A;

A. 2B FIXED BIN (31),

B. 2B FIXED BIN (31) INIT (K),

C. 2B FIXED BIN (31) INIT (10),

D. 2B FIXED BIN (31) INIT (20),

Correct Answer: D

QUESTION 15

What happens to AUTOMATIC variables when a procedure is called recursively?

A. The values from the previous invocation are lost.

B. The values from the previous invocation are saved and are available to the new invocation.

C. The values from previous invocations are preserved but can be overwritten in the new invocation.

D. The values from the previous invocation are saved and are available when the current invocation ends.

Correct Answer: D

[Latest C6030-042 Dumps](#)

[C6030-042 PDF Dumps](#)

[C6030-042 Study Guide](#)