

## 1. Data type 문제 (꼭 기억하기)

매 시험 출제 되었습니다.

predifine data type, character type, deep, incomplete type 등~

### Question 8:

Which data types are incomplete ABAP standard data types?

There are 3 correct answers to this question.

<input type="checkbox"/>	I
<input type="checkbox"/>	F
<input checked="" type="checkbox"/>	C
<input checked="" type="checkbox"/>	N
<input checked="" type="checkbox"/>	P

Size 지정해야 하는 data type (C, N, P, X)

### Question 39:

What is the default length of the type C data type?

Please choose the correct answer.

<input type="checkbox"/>	1-65535
<input type="checkbox"/>	100
<input checked="" type="checkbox"/>	1
<input type="checkbox"/>	10

### Question 50:

Which of the following ABAP data types are compatible with the generic character-type CLIKE?

There are 3 correct answers to this question.

Response:

<input checked="" type="checkbox"/>	N
<input checked="" type="checkbox"/>	STRING
<input type="checkbox"/>	XSTRING
<input checked="" type="checkbox"/>	C
<input type="checkbox"/>	DECFLOAT

clike character-type : c, d, n, t, string and character-type flat structures

csequence text-type : c, string


**Question 71:**

A structure has enhancement category 3, can be enhanced (character-type).

Which set of elementary types is allowed for the new fields?

Please choose the correct answer.

**Response:**

	C,D,N,X
	D,I,string, T
	C,D,N,T
	F,I,P,X

Click : CNDT and string

csequence : c and string



string이 안되는 이유 : enhancement 옵션이 deep 이 되어야 한다. (여기서는 character-type 옵션이므로)

**Question 83:**

Which of the following ABAP standard types are incomplete?

There are 2 correct answers to this question.

**Response:**

	X
	F
	N
	STRING


incomplete : 크기를 선언해야 하는 변수 타입. (C, N, X, P)

**Question 84:**

Which of the elementary data types is deep?

Please choose the correct answer.

**Response:**

	DECFLOAT34
	XSTRING
	X
	N

runtime 시 크기가 변하는 것 : string, xstring

**Question 85:**

**Which elementary field types are considered a character type?**

There are 5 correct answers to this question.

**Response:**

	C
	T
	D
	I
	F
	XSTRING
	STRING
	N
	X

CLIKE type : CNDT and string




CSEQUENCE type : C and string

**Question 94:**

**Which of the following data types are predefined ABAP data types?**

There are 3 correct answers to this question.

**Response:**

	XSTRING
	STRING
	DECIMALS
	DECFLOAT34
	FLOAT (è f)


b, c, cursor, d, f, l, n, p, string, s, t, x, xstring, decfloat16, decfloat32

**Question 96:**

**What is the allowed length of the ABAP Dictionary data type DF16\_DEC?**

Please choose the correct answer.

**Response:**

	The allowed length is between 0 and 16 digits.
	The allowed length is between 1 and 15 digits.
	The allowed length is between 0 and 15 digits.
	The allowed length is 16 digits.

DF16\_DEC : = Decfloat16




DF34\_DEC : 1 and 31 digits = Decfloat34

**Question 113:**

**Which of the following generic types can you use to define a field symbol that will be assigned to a character string?**

There are 3 correct answers to this question

**Response:**


	Type any
	Type clike
	Type xsequence
	Type csequence
	Type any table

**Question 170:**

**What is the default length of the type P data type?**

Please choose the correct answer.

**Response:**

	64
	1-16
	1
	8

**Question 194:**

Which of the following predefined data types are character types?

There are 3 correct answers to this question

**Response:**

<input type="checkbox"/>	P
<input checked="" type="checkbox"/>	N
<input checked="" type="checkbox"/>	T
<input checked="" type="checkbox"/>	D
<input type="checkbox"/>	X

**Question 195:**

You define a generic variable that can hold the ABAP types C, D, N, STRING, and T. You want to restrict the use of other ABAP types. Which generic data type must you use in the definition?

Please choose the correct answer.

**Response:**

<input type="checkbox"/>	SIMPLE
<input type="checkbox"/>	DATA
<input checked="" type="checkbox"/>	CLIKE
<input type="checkbox"/>	CSEQUENCE

**Question 214:**

Which of the following predefined ABAP types is incomplete?

Please choose the correct answer.

**Response:**

<input type="checkbox"/>	XSTRING
<input type="checkbox"/>	STRING
<input checked="" type="checkbox"/>	P
<input type="checkbox"/>	F



## 2. Standard table, Hashed table, Sort table 관한 문제 일부 출제

### Question 7:

When should you use a hashed internal table?

There are 2 correct answers to this question.

#### Response:

	When accessing by index
	When accessing mainly single records
	When accessing by secondary key
	When accessing using the left-justified part of the key
	When accessing always by primary key

hashed internal table : primary key로만 구성 ,

오직 1개 라인만 조회

index 사용 X

left-justified fully qualified of the key

### Question 160:


Your code contains the following statement:

```
READ TABLE gt_itab INTO gs_struct INDEX 1.
```

When defining gt\_itab, which internal table types can you use?

Please choose the correct answer.

#### Response:



	Standard and sorted
	Standard, sorted, and hashed
	Standard and hashed
	Sorted and hashed

### Question 86:

Which of the following is a true statement?

There are 2 correct answers to this question.

#### Response:

	A standard table should always have a unique key.
	A hashed table should always have a unique table key.
	A sorted table can have a unique or a non-unique key.
	A standard table should always have a multiple key.

standard table : unique, non-unique and one or a multiple key

hashed table : unique / sorted table : unique, non-unique

### 3. Singleton, protected에 관한 문제 출제




#### Question 31:

You add the **CREATE PROTECTED** addition to a class definition.

From where you can instantiate the class?

There are 3 correct answers to this question.

#### Response:

	From the class itself
	From any protected class
	From a friend class
	From a child class
	From a parent class

singleton class 정의 : create object 를 못하게 하면서 private를 공유 하는 방법

private final 로 정의 시, 자신과 friend만,



protected final 로 정의 시, 자신, 자식, friend 상속 가능

#### Question 68:

What is unique about a singleton?

There are 2 correct answers to this question.

#### Response:

	It cannot be defined as FINAL.
	It must be instantiated using a public instance constructor.
	It must be instantiated using a protected instance constructor.
	It must be instantiated using a private instance constructor.
	It must be instantiated using a static protected constructor.
	It must be instantiated using a static public constructor.
	It must be defined as FINAL.
	must be instantiated using a static private constructor.

singleton : create object를 할 수 없고, method를 통해서 object를 생성할 수 있다.

1. final을 사용하여 상속 방지




2. constructor를 static으로 선언.

#### Question 97:

What must you do to create a singleton class?

There are 3 correct answers to this question

#### Response:




	Implement the IF_UMM_SINGLETON interface in the class
	Define the class as final
	Set the class instantiation to private
	Define the class as abstract
	Instantiate the class in a static method of the class itself

**Question 153:**

**Which steps are needed when implementing the singleton concept for class instantiation with minimum coding?**

There are 3 correct answers to this question.

**Response:**

	Create an instance of the class in a static constructor. (public section 예)
	Define the instantiation of the class as private. (private section 예)
	Create an event that returns the instance of the class.
	Save the instance of the class in a static attribute. (하나의 instance 만 존재)
	Define the class as abstract.



#### 4. ABAP EVENT 순서 꼭 외우기(자주 출제)

##### Question 119:

In which sequence are the following ABAP Events triggered?

Please choose the correct answer.

**Response:**

	1. START-OF-SELECTION 2. AT SELECTION-SCREEN 3. INITIALIZATION
	1. INITIALIZATION 2. START-OF-SELECTION 3. AT SELECTION-SCREEN
	1. INITIALIZATION 2. AT SELECTION-SCREEN 3. START-OF-SELECTION
	1. AT SELECTION-SCREEN 2. INITIALIZATION 3. START-OF-SELECTION

##### Question 219:

An executable ABAP program contains a standard selection screen and uses the event blocks AT SELECTION SCREEN, AT SELECTION-SCREEN OUTPUT, INITIALIZATION, START-OFSELECTION.

In which sequence will ABAP runtime call these event blocks?

Please choose the correct answer.

**Response:**

	1. AT SELECTION-SCREEN OUTPUT 2. INITIALIZATION 3. AT SELECTION-SCREEN 4. START-OF-SELECTION
	1. INITIALIZATION 2. AT SELECTION-SCREEN OUTPUT 3. AT SELECTION-SCREEN 4. START-OF-SELECTION

INITIALIZATION

AT SELECTION-SCREEN OUTPUT

AT SELECTION-SCREEN

START-OF-SELECTION

END-OF-SELECTION



## 5. CODE INSPECTOR 관한 문제 (자주 출제)

Question 56:

What can you do with the code inspector?

There are 2 correct answers to this question

Response:

	Create <b>your own</b> inspections, object sets and check variants
	Create an object set to represent the programs and objects to be inspected
	Create <b>only local</b> inspections, objects sets and check variants ( <b>global 가능</b> )
	Choose from <b>only</b> the performance, security and user interface check categories

프로그램 coding check : (tcode : SCI)

다국어 처리, 변수 선언 후 미사용. local, global 생성


setup : inspection name, object set name, check variant name

Question 177:

Which of the following can you do with the SAP code inspector?

Please choose the correct answer.

Response:

	Monitor background tasks
	Monitor runtime behavior
	Analyze runtime data.
	Perform <b>static code checks</b>

Runtime check 아니다.!

## 6. MESSAGE TYPE 관한 (일부 출제)

### Question 2:

the update function modules. Which statement can be used to discard all update requests for the current SAP LUW?

There are 2 correct answers to this question.

#### Response:

	MESSAGE exxx(nnn).
	ROLLBACK WORK.
	EXIT.
	DELETE UPDATE.
	MESSAGE axxx(nnn).

### Question 154:

Which message types behave the same regardless of the context in which they are called?

There are 2 correct answers to this question.

#### Response:

	E
	S
	I
	W
	X
	A (without short dump)

모두 프로그램 종료 X,A

### Question 186:

Your program performs a data base update by calling **function modules in an update task**.

Which ABAP statements can be used in the program to discard all update requests for the current SAP logical unit of work(LUW)?

There are 3 correct answers to this question

#### Response:

	MESSAGE TYPE A
	MESSAGE TYPE E
	ROLLBACK WORK
	MESSAGE TYPE X
	MESSAGE TYPE W


## 7. 그 외 자주 출제 되었던 문제

**Question 27: -> wddoinit(), wddoexit() 두개 고르는 문제로 출제**

**Which hook method exists for all controller types?**

Please choose the correct answer.

**Response:**

	wddoonopen( ) -- window
	wddoonclose( ) -- window
	wddoinit( )
	wddobeforenavigation( ) -- component

WEB Dynpro 의 controller 종류

: component, window, view, custom, configuration controller


모두 가지고 있는 hook method : wddoinit( ), wddoexit( )

**Question 36:**

**How many work areas are available in the Debugger?**

Please choose the correct answer.

**Response:**

	7
	9
	12
	15

debug tab 수 (table1 table2 .... )

**Question 37:**

**Which of the following conditions must be fulfilled when using a GROUP BY clause in a SELECT statement?**

There are 2 correct answers to this question.

**Response:**



	The fields after GROUP BY must have a character type. (숫자도 올 수 있음)
	The SELECT statement must also have a WHERE clause. (where 절 없어도 됨)
	The table in the FROM clause must be a transparent table.
	All fields in the SELECT clause that are not part of an aggregate function must be listed after GROUP BY.

table 종류 :

1. transparent table
2. cluster table : group by 절에 사용할 수 없다.
3. pool table : group by 절에 사용할 수 없다.

**Question 40:**

Which of the following are valid control level changes within a loop over an internal table?

There are 2 correct answers to this question.

**Response:**

	END of <f>
	COLLECT
	LAST (아마 AT LAST, 또는 AT FIRST 로 문제가 나왔을 것이다.)
	SUM

control level processing (internal table)

LOOP AT it INTO wa.

AT FIRST. (맨 앞에서..)

ø 코딩

ENDFIRST.

END OF carrid. (특정 값이 끝났을 때..)

ø 코딩

ENDAT.

AT LAST. (맨 마지막에서..)

ø 코딩

ENDLAST.

ENDLOOP.



위 구문을 사용하기 위해서 sorting(정렬) 된 상태여야 한다.

**Question 51:**

What are the advantages of defining texts symbols in executable programs?

There are 2 correct answers to this question

**Response:**

	The same text symbol can be used by other programs
	They facilitate multilingual functionality
	Then can store up to 256 characters
	They are easier to maintain than literals

multilingual functionality

132 characters


공유불가, 유지보수 쉽다.

**Question 70:**

How would you define a method of an ABAP class to prevent this method from being available in a subclass?

Please choose the correct answer.

**Response:**

	Final
	Private
	Protected
	Abstract




자식 클래스에서 부모의 method를 못보게 하는 방법 private

**Question 74:**

What are the advantages of modularization?

There are 3 correct answers to this question

**Response:**

	Transparency
	Performance
	Maintainability
	Profitability across DBMS
	Reusability

모듈화 : class, function, subroutine


profitability across DBMS : DB에 접속 독립성 => 모듈화와 무관

**Question 80:**

To which context object is the attribute LEAD\_SELECTION\_INDEX related?

Please choose the correct answer.

**Response:**

	Element
	Node
	Attribute
	Supply function

Web dynpro : LEAD\_SELECTION\_INDEX => Node (화면에서 선택한 라인정보)

화면은 data binding에 의해서 context와 연결되어 있음.

**Question 87: 항상 출제**

You write a report that displays mass data in a table. You decide to use the ALV Grid control (class CL\_GUI\_ALV\_GRID) instead of a classical list display with WRITE statements.

Which of the following functions can you offer to the user without doing any specific programming

There are 2 correct answers to this question

**Response:**

	Display details by double-clicking on a row
✓	Sort and filter the data by any column
✓	Change column width and sequence
	Convert currency amount columns

**Question 11: 항상 출제**

You write a report that displays mass data in a table. You decide to use the ALV Grid control (class CL\_GUI\_ALV\_GRID) instead of a classical list display with WRITE statements.

Which of the following functions can you offer to the user without doing any specific programming

There are 2 correct answers to this question

**Response:**

✓	Change column width and sequence
	Convert currency amount columns
✓	Sort and filter the data by any column
	Display details by double-clicking on a row

ALV 사용시 프로그래밍 없이 가능한 기능

1. 컬럼 사이즈 순서 변경
2. filter 기능, sorting 기능

**Question 90:**

What can you create using the ABAP Dictionary?

There are 3 correct answers to this question.

**Response:**

✓	Type pools
✓	Transparent tables
	Internal tables
	Field symbols
✓	Domains

Type pools = Type groups.




**Question 108:**

You have to overwrite spaces in a string with the letter 'A'.

Which of the following statements can you use?

There are 3 correct answers to this question

**Response:**

	CONDENSE
	OVERLAY
	SHIFT LEFT
	REPLACE
	TRANSLATE

DATA source(10) VALUE 'I am a boy'.

TRANSLATE source USING ' A'.

WRITE: source.


결과 : IAamAaboy'

**Question 98:**

Which of the following values are replaceable in debugger mode?

Please choose the correct answer.

**Response:**




	Constants
	Field names
	Variables
	Table names

**Question 109:**

Which statements are allowed for processing internal tables?

There are 3 correct answers to this question.

**Response:**

	DELETE
	MODIFY
	SELECT
	UPDATE
	INSERT

internal table : DELETE, MODIFY, INSERT, READ, LOOP




**Question 123:**

**What scheduling technique is used by the ABAP dispatcher for processing user requests?**

Please choose the correct answer.

**Response:**

	Shortest First
	First in , First out
	Round Robin
	Multiple Queue

dispatcher는 순차적으로 request 를 처리

it integrates the presentation layer

it distributes the request among the work processes


it saves the processing request in the request queue.

**Question 135:**

**What is the best order to provide an event handler for an ALV?**

Please choose the correct answer.

**Response:**

	Write the handler, create the ALV, display the ALV, register for the event
	Register for the event, write the handler, create the ALV, display the ALV
	Write the handler, create the ALV, register for the event, display the ALV
	Write the handler, register for the event, create the ALV, display the ALV
	Create the ALV, write the handler, register for the event, display the ALV

user controller > class handler > alv create > event > alv display

double-clicking 이벤트에 필요한 것.

1. a handler method for the double\_click event
2. a set handler statement to register the handler to the event
3. a handler class


**Question 137 -> 항상 출제**

**You are asked to enhance the GUI status of an SAP standard application How do you identify which menu exit function code you can use?**

Please choose the correct answer.

Note: Answers of this question are not verified by our experts, please study yourself and select the appropriate answers.

**Response:**


	It starts with a dollar(\$)
	It start with a plus (+)
	It starts with an asterisk (*)
	It starts with an ampersand (&)

**Question 150:**

Which data type is allowed for the reference field of the Currency field?

Please choose the correct answer.

**Response:**

	CUKY
	DEC
	UNIT
	CURR




currency는 화폐단위와 짝 (CUKY)

**Question 109:**

Which statements are allowed for processing internal tables?

There are 3 correct answers to this question.

**Response:**

	DELETE
	MODIFY
	SELECT
	UPDATE
	INSERT

internal table : DELETE, MODIFY, INSERT, READ, LOOP

**Question 144: -> 자주 출제**

You have created the following repository objects:




- A class with an event definition
- A handler class with a method ON\_EVT which handles this event
- A report that instantiates the handler class

The report does not react to the event.

How do you analyze this issue?

There are 3 correct answers to this question.


**Response:**

	Check if the implementation of the handler method ON_EVT contains the correct logic
	Check if the event is triggered by setting a breakpoint at the RAISE EVENT statement
	Check if the handler method is registered
	Check if the event is triggered by setting a breakpoint at the MESSAGE ... RAISING statement. (raise event)
	Check if the handler method ON_EVT is defined in a subroutine of the report.

**Question 167:****What is the purpose of the enqueue work process?**

Please choose the correct answer.



**Response:**

	It manages logical locks in the lock table
	It processes update requests
	It processes user entries
	It translates Open SQL statements

**Question 178:-> 자주 출제 (Help view outer join 출제)****Which of the following statements are true?**

There are 2 correct answers to this question.

**Response:**



	A maintenance view is implemented as an inner join.
	A database view is implemented as an outer join.
	A database view is implemented as an inner join.
	A maintenance view is implemented as an outer join.

Help view 도 outer join

**Question 181: -> 출제 됨****What does the Refactoring Assistant allow you to do?**

There are 2 correct answers to this question.

**Response:**


	Rename all subclasses of a method
	Rename all occurrences of a method
	Move between classes and interfaces
	Move components between superclasses and subclasses

Refactoring : up, down casting, 클래스 간 또는 인터페이스 간 이동

**Question 222: -> 출제 됨****To which ABAP Dictionary definition can you assign fixed values?**

Please choose the correct answer.

**Response:**




	Field of a transparent table
	Data element
	Domain
	Component of a structure

**Question 222: -> 출제 됨**

You are establishing the **business logic** layer for a Web Dynpro Component. Which service types are available in the Service Call wizard?

There are 3 correct answers to this question.

**Response:**

	Transaction code
	Class method
	Function module
	Function group
	Web service proxy

**Question 69: -> 자주 출제**

An ABAP program processes the following expression:

$$r = a / b + c$$

Which of the following data declarations would cause the runtime environment to use fixed-point arithmetic for the above expression?

There are 2 correct answers to this question

Note: Answers of this question are not verified by our experts, please study yourself and select the appropriate answers.

**Response:**

	DATA: r TYPE p DECIMALS 2, a TYPE i VALUE 201, b TYPE i VALUE 200, c TYPE f.
	DATA: r TYPE p, a type I VALUE 201, b type I VALUE 200, c type i.
	DATA: r TYPE p DECIMALS 2, a TYPE i VALUE 201, b TYPE i VALUE 200, c TYPE
	DATA: r TYPE f, a TYPE i VALUE 201, b TYPE i VALUE 200, c TYPE f.

**Question 162:->출제됨**

What type of method is generated automatically by the Web Dynpro Explorer when you assign an action to a button UI element?

Please choose the correct answer.

**Response:**

	Event handler method
	Standard hook method
	Ordinary method
	Supply function

Hook method는 system에서 자동으로 호출되는 method



**Question:****A class is defined as follows:**

```
CLASS my_class DEFINITION. PUBLIC SECTION.  
METHODS do_something. EVENTS state_changed.  
CLASS-METHODS static1. PRIVATE SECTION.  
TYPES t table TYPE STANDARD TABLE OF t001 WITH NON-UNIQUE DEFAULT KEY.  
CONSTANTS gc_const TYPE I VALUE 1.  
ENDCLASS.
```

**Which components of the class can static method static1 address directly?**

There are 2 correct answers to this question.

**Response:**

	The t_table type.
	The state_changed event.
	The do_something method.
	The gc_const constant

**Question:**

**Which method of passing parameters is preferred for its performance?**

Please choose the correct answer.

**Response:**

Pass by class



Pass by reference

Pass by subclass

Pass by value

**Question:**

**You are creating an inspection using the Code Inspector. Which entities can you select for inspection?**

There are 3 correct answers to this question.



Contents of a single object



Contents of a transport request



Contents of an object set

Contents of named user's objects

Contents of a package

**Question: -> 출제됨**

**Which additions to the PARAMETERS statement can you use to fill the input field on the selection screen with a suggested value.** There are 2 correct answers to this question.\

VALUE-CHECK



DEFAULT



MEMORY ID

MODIF ID

**Question: -> 출제됨**

**Which action on the underlying dictionary objects triggers a database table conversion?**

Please choose the correct answer.

**Response:**



Reducing the size of the field.

Inserting an APPEND structure

Changing the order of non-key fields

Inserting a field of type reference

**Question:-> 출제됨 (3/27 시험에)**

**You have been asked to review the following expression, which processes character strings:**

```
result = find( val= 'abapABAP' sub ='A'  
occ = 2  
case = 'X' ...).
```

**What is the expected value of result?**

Please choose the correct answer.

2

4

1



6

**Question: -> 출제됨 (3/27 시험에)**

**You define a database view A and maintenance view B in the ABAP dictionary.**

**What restrictions apply to these views?**

There are 2 correct answers to this question

**Response:**



Only A can be used in the FROM clause of a SELECT statement

Only B can have either a left outer join or an inner join



The tables joined in B must have foreign key relationships

The tables joined in A must have foreign key relationships

**Question:**

**What is the correct order for using a lock object?**

Please choose the correct answer.

release the lock, Read the data, set the lock, change the data

Read the data, set the lock, change the data, release the lock

Set the lock, read the data, release the lock, change the data



Set the lock, read the data, change the data, release the lock

**Question:**

**What do you need to consider when creating a secondary index on a table?**

There are 2 correct answers to this question



The most frequently selected fields should be at the first positions in the index

The index must always be unique



The table will be updated more quickly if you create more indexes



The index can be created for specific database systems only



**Question:**

**What is the default selection screen number for the ABAP program?**

Please choose the correct answer.

**Response:**

1100

100

None of the above



1000

**Question:**

**At most, how many buttons can the application toolbar have on the screen?**

Please choose the correct answer.

**Response:**

None of the above



35

20

10

30

**Question:**

**What is the maximum number of watchpoints that can exist at one time?**

Please choose the correct answer.

No limit

6

8






10

**Question:**

**When analyzing a program, which tasks can you perform using the code inspector?**

There are 3 correct answers to this question.

**Response:**

-  Discover unused variables.
- ☐ Inspect the memory consumption
- ☐ Evaluate the time needed for program execution.
-  Determine used database tables.
-  Execute the extended program check

**Question: -> 출제됨**

**Which of the following includes are generated when you create a function group?**

Please choose the correct answer.


**Response:**

- ☐ LxxxxF01
-  LxxxxTOP
- ☐ LxxxxUXX
- ☐ LxxxxO01

**Question: -> 출제됨 (3/27 시험에)**

**What transactions can be used to carry out modification adjustments after a system upgrade?**

There are 2 correct answers to this question.

-  SPDD
- ☐ SPAD
-  SPAU
- ☐ SPAU\_ENH

