

Data Modeling - (~~Table~~) (fields)



①

What are fields & Types of fields



Fields → It is a collection of data from user in column formate i.e. return in report qqqA database, dbms done.

means of frame by qqqA set of fields

standard & other types - It can store data values which are type fields required for a particular object qqqA nos qqqA file records

dot before the name of field

→ There are 2 types of fields.

→ 1) Standard

① Standard fields → There are 4 standard fields which are added in every custom object that owner & Name.

→ 1) created

→ 2) created_by

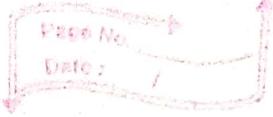
→ 3) last_modified

→ 4) last_modified_by

② Custom fields

Custom fields which are added by administrator or developer to fulfill the business requirement of any organization.

They may or may not be required.



(2) Number of Data type in field & which they are

→ contains ID value of new record - test (I)

→ There are 5 type of data type in field, they allow user to enter a record in it.

Autonumber = dtg191 (P)

(1) Autonumber - System generated Sequence Number

→ It's that is user to display format you want to define.

→ Starts with 10 000 + 000 - test (I) diff suffix

(2) Number - Allow user to enter any number

→ 5 digits of 00000 & leading zero (II) and many more!

(setting 300)

(3) Percent - Allow user to enter a percentage no.

→ e.g. 10 % automatically add the % sign

→ browser supress to no i.e. 10%

→ type percent a most .00.00, month, mon, test, etc.

(4) Phone - Allow user to enter/give phone number

→ and automatically give format of a

→ phone number - per-test (II)

→ setting no

(5) Currency - Allow user to enter dollar or other

→ currency values of currency amount if give user a

→ field with a numbers, formatted the field or currency amount.

→ setting

→ All length of Number data type is 18

→ setting

→ will store no more than 18



③ What is difference between All 'Text' data type in file?

→ It will display all combination of numbers & alphabets.

I) Text - Allow user to enter any combination of letters, number, or symbols on a single line.

④ length = 255 character.

⑤ Required field available.

⑥ Unique field available.

⑦ Text is case sensitive. It do not allow duplicate values.

⑧ Treat "ABC" & "abc" as different values.

Example: ID of Mr. John - (Case Sensitive)

⑨ Treat "ABC" & "abc" as different values (Case Sensitive)

II) External ID - having set of fields or unique record identifier.

E.g. Text, Name, RollNo, M.O.No. from a external system.

Email ID of Mr. John - 123@gnithq (P)

III) Text Area - Allow user to enter upto 255 characters on separate lines.

⑩ length = 255 characters.

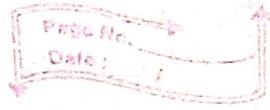
⑪ It allows to enter numbers, special characters, spaces to 255 characters, character in the data type.

⑫ It allows to enter data's hyphen separated.

E.g. for address on separate lines

Address





III Text Area [Long]

- Allows user to enter upto 131,072 character on separate line.

① Length = 32,768 or

② Variable Line - means how many lines at a time

to scroll for viewing and you do not need to show to user.

e.g. Description about in ② length should be greater than 255 complete record.

character upto 32,768 character.

right click you to not test ← drag test . e.g.

IV Text Area [Rich]

- Allows user to enter upto any length upto 131,072

scroll for reading & do character on separate line.

use of mouse with Allow user to modify text, etc.

and you will get ① Length = 34,000.

② Variable Line - greater than 10

it is used for styling report fields available.

to page, image, new browser

readable

V Text (Encrypted)

- Allows user to enter any combination of letter and formate, number

Mark type and store them in encrypted form.

① Mark all characters (no spaces) - It is used to store sensitive

② Last four characters (clearing) - information of user.

③ Credit Card Number

e.g. password field

④ National Insurance Number.

Length = 175

⑤ Social Security Number. (Auto add to custom report type Available)

Selection of mark type → select in above list.

⑥ Social Insurance Number

mark character → *, X



④ Can we change Data Type of fields once it's created?

→ Yes, except some restrictions

- We can change it but new Data types per field are permanent & similar to previous.

→ But there is a may be a possibility of loss of data if all your blueprinting data in there field. So always save & do not make changes.

E.g. Text Rich → Text Long or any data type.

No changes of new field - [diff] part → part (VI)

⑤ What is picklist and restricted picklist?

→ Only whole brain supports this.

. Picklist is a list of values, from which user can select a single value from the list you have defined.

OR not defining - part of part (V)

Restricted Picklist means that a picklist which is enforced user to select a value from that you defined in advance irrespective of new field (by you) part (VII)

→ e.g. when you defining list in state then restricted picklist allow user to select only state values from that not other values.

→ E.g. billing → B.C.

random bill → B.C.

→ If = April - random scenario possible

[above] right dropdown contains of bills of A) previous year B) random bill C) random scenario D) random month

→ Option A → previous year B) random bill C) random scenario D) random month

X. → ← random scenario

Scenario for random

Q How many ways to make field required? (P)



There are 5 ways to make field required. i.e.

→ 5 ways IIA methods

- ① Field level requirement | At the time of creating a new custom field.
- ② On the page layout. (IAA methods)
- ③ Validation Rule Requirements (IAA methods)
- ④ Using Apex Trigger. (IAA methods)
- ⑤ Using Visualforce page. (IAA methods)

→ 5 ways IIA methods

Q What is API Name?

→ 5 ways IIA methods

API = Application Programming Interface.

IAA result of S --> methods same IIA methods

- It is a unique name used to refer an object

When using the API

→ OR - Object Spherical IIA & Object Name for it

→ S.IIA &

→ API Name is used to access the value in the field.

Using Apex.

→ API methods can't access it of S.IIA

Q Can you edit API Name? If there any way to do it?

→ No, it's not allowed to change the API name of the object.

→ If it's not allowed to user to change the API name of the object, it's not allowed to user to change the API name of the object's field, if it's referenced in any of the metadata. (Ex. apex class, Trigger, Visualforce page etc).

- Yes, you can edit API Name of object which are not referenced to metadata.

→ Create → Object (select object) → change object name → save it.

Q) What is the difference between standard API Name & custom API Name ?

→ standard API Name of now is standard API Name

- ① Standard API Name is provided by salesforce.
- ② Standard API Name does not contain '-' in their API Name.
- ③ Standard API Name is pre-defined.

Custom API Name

- ① Custom API Name is defined by the user or per business requirement.
- ② Custom API Name contains '-' in their API Name.

Q) What is the full form of API Name ?

→ Use of API

- ① API is used to integrate other application system.
- ② API is used to get access from third party.

e.g. Online booking through AMAZON.

e.g. At the time of order delivery of food, delivery boy shows the path of brother for him to show google map.

(also says google map, import, map, map.js). plot

API - Application programming Interface.

(11) In what ways is dependent picklist & not used for? (1)

→ It happens to be like a list of options which are dependent on controlling fields.

- Controlling field is one which based on the other

e.g. country → controlling field → parent.
state → dependent field. → child.

(12) While creating picklist, there is option of No. of lines to show what is it for? (1)

→ If you want to show a particular or specific lines for all time.

It is forced to show a particular or specific lines for all time.

E.g. if you have state picklist of 100 rows and want to show only 5 lines at a time by using No. of lines to show you can show only specific lines. may be 3 or 5, not more than 5,
If you want to see next then you can see value also by scroll down.

(13) Can we change No. of datatype type to int, date type? (1)

→ Yes, we can convert any datatype to no. of lines.

No. of lines will depend on how many lines you want to see.



(14) You have 100 records, whose record you have changed from number to text, will it change?

→ Yes, changing field number → text → fields no numbering in table.

→ No all numbered objects and part of table will change.

(15) Which are default/audit standard fields created by salesforce?

→ Leads → Account → Opportunity

Default standard fields → means those fields are already there after creating object.

→ (a) Created By → (b) Name → (c) Last Modified By → (d) Owner → IT

Audit fields → means those fields are shown which

→ tells about event log. It gives information about records that who did what to what, can be valuable for audit purpose.

→ (a) Who made this log → (b) Last Modified By

→ (c) Last Modified By

→ (d) Owner → (e) Log Date

(16) When we create checkbox field, Is there any option of true or false, if there is no option of required? But there is an option of default value means you can checked i.e.g. give true value if you unchecked the checkbox i.e.g. give false value.

- How many fields in Salesforce?
→ There are 29 fields in Salesforce.



(17) How do we create dependent picklist? practical?

→ By going to quick Access bar, force.com

→ View fields in custom object

→ Custom fields of Relationship type

→ Click on field dependencies.

→ New Go ahead to field dependency

→ Select controlling field. → checkbox
multiselect picklist.

→ Select dependent fields.

i.e. State.

(18) Can we do such automation like multiselect picklist can be depend on single selectables picklist? Ans.

→ Yes, we do that because multiselect picklist can be dependent on field but not controlling field. Ans.

Relationships give notes of new walla ① - part 1

(19) In offset encryption which symbol will be used for marking other characters? Ans. part 1 no ②

→ ① Asterisk (*) should be used no ③

② (X)

Relationships give notes of new walla ① - part 2

(20) If user selects only first four digit value visible while generating part 1 of encrypted field then only the second user entered characters remain then what should be the output?

→

Then system show only avi of avi prefix is ****.

e.g. ****/* avi.

3. September 1914, Ernst Wolff

reinstated at 111312Z 13 NOV 2001

2) Can we use special character and number in the text field ?

→ Yes. Text is a combination of characters & numbers

22. Maximum length of length of text field is 8.

Length is up to 255 character.

23) What is the maximum length of test field area?

Length starting from 2550 characters no break or

24 What is the difference between enthalpy and free enthalpy?

Text - ① Allow user to enter any combination of

② On Text fieldr Uniquerequest external ID option are available for use.

Text field Area - ① Allow user to enter any combination

② bOnT Heftfield-Area unique of exams
with blinde force with IDoption are available for.

• 180 * * * * * • 0 •

- 25) What is difference between Text area long & Text area rich field ?
 → (group, max.) question, enter id buttons
Text Area Long 8- ① Allow user to enter upto (131072)
 → no character on separate lines 25 (length
 - step with position depth 327768 and get no result
 ② It takes id, Ifew, medium
 → Text Area (Rich) 8- ① Allow user to enter formatted text
 → addtive, i.e. italic, bold, Images, links
 upto 131072 character on separate
 lines 15 length 34,000 +
 → \$0000.3 - ② It stores polygons and
 → can we select time in the date & time data type fields.
 → upper, 100, 1, 10, medium Ifew
 → what is the difference between address & address
 → address to the Ifew questions medium of
 → Allow user to enter a date or pick a date from a
 → pop up calendar.
 → what is the difference between address & address
 → what is the data type of address field on account ?
 → see also address to switch p to with (50)
 → Billing Address field on account has in default type in address.
 → and who will use address both
 → What is data type of owner & field on raw object ?
 → owner → data type lookup (User, group, account)
 → owner can be used as a field and it is also used as a field

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What prl data type of created by field for any object



Created by → lookup (user, group)

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If we have 100 records on a particular object then on the basis of which entering the auto-number, will be selected.



Firstly, at the time of a field creation if check box is checked then we have to enable it in checkbox.

If user generate then Auto number it for record then display format ex. A- 00003.

Give starting Number ex. 01, 1, 001, 0011, 0001

So, If we have 100 records on a particular object then on the basis of which record is created first, auto number datatype will all of numbers according to start of value of 001A.

It depends on records creation date.

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Why at a time of creation of record we can see only latitude & longitude fields after saving the records we see only one field.

→ If we refer to creation of datatype is field

'Geolocation' allows users to define locations including latitude & longitude components and can be used to calculate distance.

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* At the time of creation of record. *

Location (Latitude) 23.45

Location (Longitude) 56.55

After the saving record.

Location 23° 27' 0" N 56° 33' 00" E

It means, when we put latitude & longitude values, that datatype automatically calculate location, so, we can see only one field after saving the record for location.

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Why we cannot make text area long & text area which unique. %.

→

Because both data type used for describing particular record. %

The description may be the same for particular 2-3 etc. records.

If we make the field unique then there will be error for some description. Another datatype may be used for filling information.

Example: Text - Name, mobile No, full Name.

Text Area - for Address, on separate line.

Text Area long - Description Above complete Record.

Text Area Rich - used for style page, image.

Relationship

Page No. _____
Date: _____

① What is relationship in Salesforce? It is forth. (8)

→ Relationship is the way in which two or more people / things connected with each other.

There are 6 types of relationship. (6)

1. Lookup Relationship. (6)

2. Master-Detail Relationship. (6)

3. Many-to-Many Relationship. (6)

4. Self Relationship. (6)

5. External Relationship. (6)

6. Hierarchical Relationship. (6)

② What is lookup relationship? (8)

→ Lookup Relationship is a relationship that links two objects together so that you can "lookup" one object from the related items of another object.

② It is loosely coupled.

③ If one record is deleted, then the relationship is still there. (6)

④ No limitation on inheritance.

⑤ In lookup relationship if we delete a parent record, then the records associated with child records also get deleted. If we recover then they are recovered.

③ What is master detail relationship & its特点



Master detail relationship :- ① If it's parent child relationship tightly going from no child relationship in which the child does not have control over behavior of detail object.

② It's tightly coupled relationship & it's one to one

③ When we delete master record then their records are also deleted along with child object.

④ If it's parent child relationship of child like who can view contact detail of child.

⑤ If it's one to many relationships type

⑥ In master detail relationship standard object is always on parent side.

④ What is cascade delete operation in salesforce.



Cascade Delete operation :- It's relational database term used to describe how do we keep records out when certain other records are deleted. It's process by which records are automatically deleted when their parent record is deleted.

⑤ If we delete account record then it will delete all account related record.

In salesforce if core object is standard then NOT

If non core object is account then after

Relocated to → Item object of item
parent object child.
item of Master Object Parent.

(6) Where pr look up field created for what pr the data type for it

→ Information of all record exist of maintaining object

① Lookup field created on both object i.e. Standard or

② Lookup Relationship data type pr use for lookup custom.

③ Lookup field is always created on child side.

→ If you want fully & feasible normal o is forth

(7) What are differences between ① Lookup of Master Detail Relationship

→ add relationship from of yours

Lookup & ① It pr links two objects together so that you can "look up" one object from the related other

object → object relationship → another object is normal (1)

object blinks more ② We can use standard object as parent or child objects from each other at ③ It is also called loosely coupled relationship.

④ It is used to have relationship b/w two object not god nor pop. ⇒ no dependency on each other.

If relationships → we can use custom object as parent or child.

→ we can create 4 types of lookup relationships

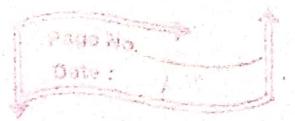
① Master Detail Relationship & ② It plus parent child relationship
for do out set in which the master object controls the behavior of detail objects

② We can only use standard object or parent not a child.

③ It is also called tightly coupled relationship.

④ If pr used to have relationship b/w two object and also dependency on each other

- We can create 2 master detail relationship per object



This is also known as junction
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This is also known as junction

(7) Which Relationship Account of Contact have?

→ Lookup relationship. Here because Pt or custom object
is appropriate to choose and because both objects are both parents.

child record is always parent of child record

both child record is always parent of child record

(8) What is a junction object? Why do we use Pt?

Explanation: Junction Object → ① Functions Object to create many to many relationships between two different types of objects.

② Junction object or a type of custom object which is used for linking between custom objects to many child records.

and each parent can be linked to many parent objects and each parent can be linked to many parent objects.

E.g. Recurring Application example. You can see the position can be linked to many candidates, if objects are candidates can apply to diff. positions. To create junction objects either data model you need third object like Job App to relate both links of the two objects.

Job App is related with Position

Job App is related with Candidate

Job App is related with Position and Candidate



Q) Can we create many to many relationship without using junction object in lookup?

→ If this question file already formed std, no problem. If folder selected then standard objects will be available in dropdown for creating lookup.

Q) Can we create or make junction object as a master object of any other object? If yes then how?

No. We cannot make junction object as master of standard, custom or other objects.

Q) What is self lookup?

→ Self lookup → When one object makes self relationship with itself it is called self lookup.

Eg. Account is on parent as well as child side.

→ How to create tree diagram of any objects

Q) Can we create master detail relationship in which standard object is at child side?

→ No. We cannot create master detail relationship in which standard object is at child side.

→ If we generate query

(13) Can we create self lookup using M-D-R relationship?



No, we cannot create self lookup using M-D-R relationship because In Master Detail Relationship required parent of child object to different

(14)

If we delete child record then delete master record & recover master record first then will



No, child record will not completely forced, we have to recover it by going through recycled Bin manually.

(15)

If we delete master record first then will it delete junction object record?



No, it will not affect junction record.

(16)

Can we make any child object parent of any child object?



Yes, it is in case of lookup relationship.

(17)

If we delete any M-D-R relationship data file & restore it then what should be its data type



Lookup Relationship data type.

procedures & querry

(18) If we have rollup summary then can we delete M-D-relationship field of A?

→ If we delete relationship field of A → we can't delete querry A.

No, if we try to delete M-D-relationship we will start getting other data.

Ans. Before

(19) If fields have rollup summary then how to convert M-D-relationship into lookup & before we do not

→ very difficult to convert so as

We cannot convert M-D-R-relationship into lookup if we have rollup summary. Ans. Below

Ans. Before

(20) If we have no records of field of lookup & so we do not have value in lookup field. Can we convert lookup into master detail?

→ Ans. Before

No.

Ans. Before

Ans. Before

Ans. Before

Q How can I find out how many rows are there in table A -

Ans. Before

Ans. Before

Ans. Before

Rollup Summary

→ (21) What is Rollup summary & how does it work?

- We always create rollup summary on parent object.

→ Rollup summary & A rollup summary field used to aggregate and calculate values from related child records, such as those in a related list.

→ Q. You want to display the sum of Invoice amount for all related Invoice custom object records in an account invoice related list. You can do this by displaying the total in a custom object field called Total Value of Invoice Amount.

- You can perform different types of calculation with a rollup summary field. You can count number of detail record or relate to a master record & you can calculate the sum, min value, max value of fields in child records.

- A Rollup summary is one that aggregates data for child objects to a parent object that share master detail relationship.

→ (22) How count function work in roll up summary?

Count function is used to count number of record created on child object related to master object.

If we create multiple records then count function help to count exact record in Rollup summary.

(23) Which standard fields we can see while using Min, Max function in roll up summary?

→ Fields created by us / modified by another standard field see while using Min, Max function in roll up summary.

(24) On which object we can create roll up summary?

→ Always Master Object i.e. Parent Object.

(25) Can we create roll up summary if we have only lookup fields?

→ No, because we cannot create roll up summary if have only lookup fields.

Because for creating roll up summary we have
relationships and only master detail relationship fields.

→ If there are no lookups or relationships then it is fine.

(26) Governing limit of relationship fields?

→ Maximum 20 records per foreign table with
Master Detail Relationship ~~400 per object~~

Lookup relationship = ~~40 per object~~

If foreign table has more than 20 records then it is fine.
What happens if records are more than 20?

→ It will take time to process the query and it may affect performance.

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Do we have owner field on child object record
of M.D. related object & for what purpose?

→

In master detail relationship the child object does
not have an owner field in itself.

For example if I have a doctor and his doctor detail no
is present in his doctor and not in doctor detail no.

Lookups vs. Look-up relationship

28 What is one to one relationship?

One to one relationship means one object
related to other object who ever has provision of both objects for called one to one
relationship.

and has provision of both objects for called one to one relationship.

- Look up relationship creates one to one relationship

- This field allows user to click on look up field
to select the value from the popup list, then
the selected object is a source of the value
in the list. (Annotated part of relation
lookup op - annotated question)

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If we can make look up required then what is
the exact diff. between lookup of master detail &

→

If we make lookup required then don't allow let
of the lookup record that's part of lookup relation



⑩ How to show lookup along M.D. Relationship? (1)

→

You can convert it by going to new fields then select M.D. relationship, then by going through M.D.R., you can able to convert the relationship.

→ object access no field

→ object access no field

below animals after click on set

→ perform for no information

→ click on set

→ no field

→ click on set

below animals after click on set → click on set

→ no field

→ click on set

→ no field

→ no field

→ click on set

→ click on set

→ click on set

Page Layout

① What is page layout & what works of both

→ Page Layout - page layout is print rearrangement of fields, layouts for controls, organization buttons, controls, visual force, custom nbr. of fields etc on object record page.

Example -

Bank manager - ~~not~~ got access to all.

- The also help determine which accountants ~~not~~ have access to fields are visible, read only limited ~~and~~ etc. if required.

Bank manager - ~~not~~ got access to all.

Access to the page layout - By using page layout we can control the content of record page for your user.

② How to make field required in salesforce by using page layout.

→

① Setup

↳ Object by quick find box.

↳ choose object.

↳ under page layout system, click on edit on the page layout that you use on the object.

↳ click on wrench icon [spooner tool] beside the custom fields then you will make required.

↳ click ok, click on save.

③ What is a related list? Explain with an example. (2)

→ It is a list of records, two types of lists:

Related List & Related List (one) List which
no child lists, which shows how many child component
lists, belongs to the associated with parent object.
just hold one record fields & does not.

④ How to add a related list from page layout?

→ From

Setup → Open the page layout objects of with

↳ Then click on accessory bar, i.e. force.com then
click on view field.

↳ go to the page layout of related list, Add
pointer to the related list to the page layout object
related list accounts of

↳ Click on save fields

→ Now it is being set to save

⑤ You can also add a related list on child object.

→ If no good & prop of

it's no more useful may remove it

• blabla

→ Now it is being set to save

→ Now it is being set to save

→ Now it is being set to save

(8)

(c) If we created a layout but the field is not showing in page layout, what we can do?

→ Go to setup → object level security → click view on assigned fields to user level security, click view on object that must be modified, click select Read or Edit checkboxes for the field to be displayed having access with object with modify.

(d) How to add section to page layout?

→ Go to setup → object level security → click view on object with modify.

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→ Go to setup → object level security → click view on object with modify.

(e) Can we remove standard section from page layout?

→ No.

(9) Can we create a cloned existing layout to create new page layout & layout spec no. not add

→ If yes, how do we do it → Step 1: Create a new layout spec with same fields.

(10) Can we delete already required field from page layout?

→ layout spec get no

No. We cannot remove it.

To do this job should go properties of field

(11) Can we remove fields which are required from page layout from page layout &

→ layout spec as block wise go to properties of field

→ Then go to master field and pay inserted

(12) How to add blank spacer for page layout.

→ Setup

↳ particular object.

→ In quick access menu border for each content

↳ click on view field.

↳ then go to page layout

→ click on border, then edit desired page layout

→ then add blank spacer to the border with width & height add to the border with border of page layout & click on save.

→ now border will be added to the page layout

→ click on border with border of page layout & click on save.

13) What are differences between save & quick save button on page layout & what happens if you click save & pt completes the save process & closer the page layout window.



Save & pt completes the save process & closer the page layout window.

What is quick save allow & it allows you to save changes without closing the page layout window & keep you on the page layout edit screen.

14) What is the meaning of blue dot in front of any field in page layout.



Blue Dot in front of any field in page layout means you can't remove it or meaning it

always remains on page layout & will not be removed.

15) How to add columns in the related list.



① Access page layout editor.

② To edit a related list, double click it.

③ Select which field to include in the related list & define the order in which the fields display & select the record sort order.

④ If desired select other page layout to apply your related list customization to.

(16) How many columns we can display in repeated list
→ 10 column. Max.

→ Feeds 8 pages in each section of book
only 10, 11, 12 or 13 pages in each section of book
remaining pages left

maximum total of 10 columns in each section of book
which is 11, 12, 13 pages in each section of book

→ If there are 10 columns of content in page it is ①

→ May be up to 10

→ If there are 10 columns of content in page it is ②

→ If there are 10 columns of content in page it is ③

→ If there are 10 columns of content in page it is ④

→ If there are 10 columns of content in page it is ⑤

→ If there are 10 columns of content in page it is ⑥

→ If there are 10 columns of content in page it is ⑦

→ If there are 10 columns of content in page it is ⑧

→ If there are 10 columns of content in page it is ⑨

→ If there are 10 columns of content in page it is ⑩

→ If there are 10 columns of content in page it is ⑪

→ If there are 10 columns of content in page it is ⑫