



26+ Years
of Experience

**PROGRAMMING
ADVICES** LEARN THE
RIGHT WAY

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MSA, PMOC, PMP®, PRP®, PSE-ITP®, CS, ITIL, MCP®, MCSD



لا تنسى الاشتراك في قناتنا على اليوتيوب ومشاركة القناة مع اصدقائك
لتعم الفائدة للجميع وانقاذ الاف الناس من التشتت جزاكم الله خيرا

لا تنسونا من دعائكم وادعو لوالدي بالرحمة

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Data Structures

Level 1

Binary Data Structure

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You can store data in a number using binary.

What does this number mean?








79

Number 79 Means:

Permission	Has Permission?	Binary Value
Show Client List		1
Add New Client		2
Delete Client		4
Update Client		8
Find Client		16
Transactions		32
Manage Users		64
Show Login Register		128

= 79

What is Time & Space Function of it? $O(?)$

Permission	Has Permission?	Binary Value
Show Client List		1
Add New Client		2
Delete Client		4
Update Client		8
Find Client		16
Transactions		32
Manage Users		64
Show Login Register		128

If
(PermissionToCheck & UserPermissions =
PermissionToCheck)

yes

Else

No

$O(1)$

Another Practical Example 😊



SetList1

SetList2

SetList3

Korg Kronos

Bass & Arabic String Ens	Stage Arabic Strings	Mr Oboe RMT	Solo1	Bass & Live Strings Ens.	Kamanja Z1	Trombone -Y Growl STR	Accordion Master 1	Bass & Arabic St Soft AT	Kelfar Piano + SoftPad 2	Accordion Musete 9	Turkish Ensemble String
Detuned PMW Oct +	Square	Accordion Master 2	Bass & Trinity Saz	Gypsy Guitar Stum LR	Solo 7 Guitar/Bozuk	Bass & E.Guitar	Bass & Takseem Guitar	Full Brass Section	Bass & Sweet Keman	Bass & Keman Saw	Bass & Kelfar Violin
Bass & Taqsim Kamanja	Trumpet Section	Clarinet Vel. Trill	Bass Nay V3	Nay Small	Sax Z1 -Y Growl	Bass Oriental Saz JS -Y	Bass & Alto Sax JS -Y	Bass & Dudduk JY + Vib.	Bass & Blaban JY + Vib.	Solo 1 Sync	Solo 2 Flanger
Tenor Sax T3	Lead	Bass Kanoun 1 Vel. Tr	Bass Oud Vel. Tr	Phaser Bozuk C2 -C3 Rib	Bass & E.Saz	Inter. Organ	Old World Choir/Strings	Solo 3 Distortion	Solo 4 RD	Solo 5 Phaser	Solo 6 Gt. Phaser

Octave

Oct -

Off

Oct +

P1

P2

P3

P4

Pa2X Styles

زي الهوى

حانا الهوى

حب ايه

هستيناك

انا بعشقك

حبيبي انت

علي بابي واقف قهرين

تعى تنسى

العزاب

بنؤس بيك

انت عمري

في يوم ليلة

فارقة الفيجان

اصعب فراق

بعتيني على كلمة

تزكي حزين

Oriental Scale

-50

-50

-50

-50

-50

-50

-50

Reset

1

2

3

4

5

Globale Effects

Mfx

Tfx

Ifx

Transpose

b -

0

+ #

P1

P2

P3

P4

Pa2X Sounds

Strings

Kawala SADA

P

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SetList1

Bass & Arabic String Ens

Detuned PMW Oct +

Bass & Taqsim Kamanja

Tenor Sax T3

SetList2

Stage Arabic Strings

Square

Trumpet Section

Lead

SetList3

Korg Kronos

Program Settings

Program Name

Bank Number

Program #

- 25 +

- 11 +

☒ Image

accordion

accordion_bayan

accordion_button

accordion_chro...

accordion_melo...

alboka

anglais_cor

archlute

arghul

aulochrome

autoharp

baglama

bagpipe

balalaika

bandoneon

bandura

banjo

barytone

bassoon

bau_ken

bawu

bell

bells_jingle

bells_tubular

bifora

biwa

bombarde

boomwhackers

bouzouki

bugle

bugle_keyed

cavaquinho

bassoon

bawu

bell

bells_jingle

bells_tubular

Cancel

Save

Octa

Oct -

Off

P1

P2

P3

P4

Mix (W,MK,S) Gs

Mix- ubn (W,M,S)

Saidy 1 - Gs

Saidy 2 - Gs

Ibrahimi OR700

Khaligy Rumba 1

Y-Sha3by

Katakfty Gs

Laff Gs

زينة

Accordion Musete 9

Bass & Keman Saw

Solo 1 Sync

Solo 5 Phaser

Turkish Ensemble String

Bass & Kelfar Violin

Solo 2 Flanger

Solo 6 Gt. Phaser

dispose

0 + #

Pa2X Sounds

Mfx

Tfx

Ifx



DKHSF-PYHQ8-58A8P-GRHCB-BV2ZS