- a. Explain how the wide column representation supports flexible schema.
- b. Compare RDBMS with wide column representation.

Solution

In wide column representation, we can add new attributes to our tuples with no expensive operation. Even, a new attribute column can be added to one or two tuples and other tuples remain unchanged. These are possible with the usage of super columns and column families. Thus, wide column representation supports flexible schema.

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Aspect	ROBMS	Wide Column
architecture	schema is fined.	, Schema is flexible.
storage management	simpler.	flexible schema makes it comparatively complex but still efficient for large volumn of data.
query processing	Simpler and faster for simple queries.	flexible schema makes it comparatively faster for
	od 600 1000	complex queries. Ans.

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write the relational representation of the following ISON data:

```
"ID": "2222",

"name": [

"first name": "Albert",

"last name": "Ein stein"

],

"department": "Physics",

"children": [

[ "first name": "Hans", "last name": "Ein stein"],

[ "first name": "Eduard", "last name": "Ein stein"]

]
```

Solution

- 20 0 10	Person			r .	Children			
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	પાપ	Albert	Einstein	Physics	,	11112	Hans	Einstein
						22722	Eduard	Einstein
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Ans.