

- obsolete, limited relevance nowadays
- predecessor to [[Call Level Interfaces]]
- [[SQL]] embedded in host language (C, Java, ...)
- syntax and type checking is done statically by preprocessor
- all in one place
 - simpler
 - more overhead
 - separate preprocessor
- examples:
 - Cursors with and without explicit variable binding

```
#sql iterator StudIter
    (int sid, String name);
StudIter iter;
#sql iter = {SELECT * FROM Students};

while( iter.next() )
    print(iter.sid, iter.name);

iter.close();
```

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```
int id = 7;
String name;
```

```
#sql {SELECT LName INTO :name
      FROM Students WHERE SID=:id};
```

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```
print(id, name);
```