Access Matrix.

Domain \ Object	F1	F2	printer	F3
D1	read			read
D2		read	print	
D3	read write			read write

Implementation. of Access matrix.

1) Global table.

- Simplest method, stores Domain, object and access right in table.
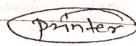
E.g., < Domain, Object, Access-Right>

Domain	Object	Access-Right
D1	F1	Read
D1	F3	read
D2	F2	read
D2	printer	print
D3	F1	write
D3	F3	write.

2) Access List for objects

- Per object list is constructed which consists of < domain, Right-set>

E.g.

F1

D1 - read
D3 - write

F2

D2 - read

printer

D2 - print

F3

D1 - read
D3 - write.

3) Capability list for domains

- Instead of object based, list is domain based.

Ex-

(D1)	(D2)	(D3)
F1 – read, ~~write~~	F2 – read	F1 – read, write
F3 – read	printer – print	F3 – read, write

4) Lock-key mechanism.

- Compromise access list & capability list.

Object → list of unique bit patterns → ~~key~~ locks

Domain ~~key~~ → list of unique bit patterns → keys

must match to access any object.