Working Area - Internal Tables

```abap
types: begin of alumnos,
       padron(6) type n,
       apellido(25) type c,
       nombre(20) type c,
       direccion(50) type c,
       postal(8) type c,
       end of alumnos.

data: wa_alumnos type alumnos,
      it_alumnos type table of alumnos.

wa_alumnos-padron = '000100'.
wa_alumnos-apellido = 'Perez'.
wa_alumnos-nombre = 'Raul'.
wa_alumnos-direccion = 'French 2432'.
wa_alumnos-postal = 'C1425AAH'.

APPEND wa_alumnos to it_alumnos.

wa_alumnos-padron = '000200'.
wa_alumnos-apellido = 'Gomez'.
wa_alumnos-nombre = 'Jorge'.
wa_alumnos-direccion = 'Juncal 3564'.
wa_alumnos-postal = 'C1425AAH'.

INSERT wa_alumnos INTO TABLE it_alumnos.

loop at it_alumnos into wa_alumnos.
   write:/ wa_alumnos-padron, wa_alumnos-apellido, wa_alumnos-nombre.
endloop.
```

How to Modify an Internal Table?

How to Access an Internal Table?

```
loop at it_alumnos into wa_alumnos.

    write:/ wa_alumnos-padron, wa_alumnos-apellido, wa_alumnos-nombre,
            wa_alumnos-direccion, wa_alumnos-postal.

    wa_alumnos-postal = 'C1428AAH'.
    modify it_alumnos from wa_alumnos.


endloop.
```

Sequential Access

```
READ TABLE it_alumnos INTO wa_alumnos index 2.

 if sy-subrc = 0.
   WRITE: / wa_alumnos-padron, wa_alumnos-apellido.
   wa_alumnos-postal = 'C2222AAH'.
   modify it_alumnos from wa_alumnos index sy-tabix.
 endif.
```

Index Access

```
sort it_alumnos by padron.

READ TABLE it_alumnos INTO wa_alumnos
    with key
            padron = '000100'
            BINARY SEARCH.

if sy-subrc = 0.
  wa_alumnos-postal = 'C2222AAH'.
  modify it_alumnos from wa_alumnos index sy-tabix.
endif.
```

Key Access

How to Delete an Internal Table?

Table Access

```
delete it_alumnos where padron = '000100'.
```

Sequential Access

```
delete it_alumnos index 1.
```

Index Access

```
refresh it_alumnos.
```