![](data:None;base64,)

Listas Enlazadas

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**Cuadro Comparativo Conceptual**

|  |  |
| --- | --- |
| **Sin Clase** | **Con Clases** |
| No tiene la ventaja de crear variables que no se destruyen al final de cada función. | Las variables creadas en la clase no se destruyen |
| Funciones principales usadas fuera de una clase. | Funciones principales usadas dentro de la clase. |
| Programación y lógica de trabajo mas eficaz. | Programación y lógica de trabajo mas eficaz. |
| No hay necesidad de creación de constructores y destructores. | Necesario la creación de constructores y destructores. |
| TDA NO declarado como puntero. | TDA declarado como puntero. |
|  |  |
|  |  |

**Traza de Datos:**

**Ingreso:**

**L-Q-H-S-B-E-R**

|  |  |  |  |
| --- | --- | --- | --- |
| **n** | **p** | **q** | **r** |
| L | NULL | DM100 | DM100 |
| Q | DM100 | DM222 | NULL |
| H | DM222 | DM333 | DM222 |
|  |  | NULL | NULL |
| S |  | DM444 | DM555 |
| B |  | DM555 | DM666 |
| E |  | DM666 |  |
| R |  | DM700 |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables** | **DM100** | **DM222** | **DM333** | DM444 | DM555 | DM666 | DM700 |
| **caracter** | L | Q | H | S | B | E | R |
|  |  |  |  |  |  |  |  |
| **prox** | NULL | DM100 | DM222 | DM222 | DM222 | DM222 | DM222 |
|  |  | DM444 | DM100 |  | NULL | DM555 | DM666 |
|  |  | DM555 |  |  |  |  |  |
|  |  | DM666 |  |  |  |  |  |
|  |  | DM700 |  |  |  |  |  |

**Eliminar:**

**S-B-R**

|  |  |  |  |
| --- | --- | --- | --- |
| **n** | **p** | **q** | **r** |
| L | NULL | DM100 | DM100 |
| Q | DM100 | DM222 | NULL |
| H | DM222 | DM333 | DM222 |
|  |  | NULL | NULL |
| S |  | DM444 | DM555 |
| B |  | DM555 | DM666 |
| E |  | DM666 | DM700 |
| R |  | DM700 | DM666 |
|  |  |  |  |
| S | DM222 | DM666 | DM555 |
|  |  | DM555 | DM222 |
|  |  | NULL | DM444 |
| B |  | DM222 | DM222 |
|  |  | DM700 | DM700 |
|  |  | DM666 | DM666 |
|  |  | DM555 | DM222 |
| R |  | DM222 | DM700 |
|  |  | DM700 |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Variables** | **DM100** | **DM222** | **DM333** | **DM444**  **DELETE** | **DM555**  **DELETE** | **DM666** | **DM700**  **DELETE** |
| **caracter** | L | Q | H | S | B | E | R |
|  |  |  |  |  |  |  |  |
| **prox** | NULL | DM100 | DM222 | DM222 | DM222 | DM222 | DM222 |
|  |  | DM444 | DM100 |  | NULL | DM555 | DM666 |
|  |  | DM555 |  |  |  | NULL |  |
|  |  | DM666 |  |  |  |  |  |
|  |  | DM700 |  |  |  |  |  |