

Iteration Callback Takes Two `void*`, Returns a Number

And here's the definition for the callback function:

```
typedef dl_execute_response_t
    (*dl_execute_func_t)
    (void* dl, void* arg);
```

Iteration Requires Three Arguments

Now we can also write the function signature for iteration:

```
void* dl_execute_on_all
    (double_list_t* head,
     dl_execute_func_t func,
     void* arg);

```

Iteration Returns a Pointer to a “Thing”

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    (double_list_t* head,
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```

Local Variables for our Iteration Function

And here's the function:

```
iteration over list elements
double_list_t* dl;
double_list_t* remove;
dl_execute_response_t result;

result returned
from callback
```