void \_\_attribute\_\_((constructor)) func1();

void \_\_attribute\_\_((destructor)) func2();

**GCC specific syntaxes** :

1. **\_\_attribute\_\_((constructor))** syntax : This particular GCC syntax, when used with a function, executes the same function at the startup of the program, i.e before **main()**function.

2. **\_\_attribute\_\_((destructor))** syntax : This particular GCC syntax, when used with a function, executes the same function just before the program terminates through \_exit, i.e after **main()**function.

Few points regarding these are worth noting :  
1. **\_\_attribute\_\_((constructor))** runs when a shared library is loaded, typically during program startup.  
2. **\_\_attribute\_\_((destructor))** runs when the shared library is unloaded, typically at program exit.  
3. The two parentheses are presumably to distinguish them from function calls.  
4. **\_\_attribute\_\_** is a GCC specific syntax;not a function or a macro.