

Programmer's Reference to HLA Assembly Language			
Typical Program Structure			Available Datatypes
<pre> program progID; #include("stdlib.hhf"); static variable declarations begin progID; statements end progID; </pre>			int8 int16 int32 boolean
Assembly Language Instructions			
Instruction	Syntax	Description	Available I/O Routines
MOV	mov(source, dest);	dest = source;	
ADD	add(source, dest);	dest += source;	
SUB	sub(source, dest);	dest -= source;	
SHL	shl(count, dest);	shuffles left a total of count bits in dest operand; sets carry when count=1	
SHR	shr(count, dest);	shuffles right a total of count bits in dest operand; sets carry when count=1	
SAR	sar(count, dest);	shuffles right a total of	

		count bits in dest operand; sets carry when count=1; leaves H.O. bit unchanged
ROL	rol(count, dest);	rotates left a total of count bits in dest operand; sets carry when count=1
ROR	ror(count, dest);	rotates right a total of count bits in dest operand; sets carry when count=1
NOT	not(dest);	inverts the bits of the dest operand
AND	and(source, dest);	bitwise logical AND; result placed in dest operand
OR	or(source, dest);	bitwise inclusive OR; result placed in dest operand

XOR	<code>xor(source, dest);</code>	bitwise exclusive OR; result placed in dest operand
LAHF	<code>lahf();</code>	pushes the lower 8 bits of EFLAGS register into AH