

HJ source program --- must contain a class named Foo with a `public static void main(String[] args)` method

HJ compiler translates Foo.hj to Foo.class, and inserts calls to HJ runtime as needed

*Foo.hj*

HJ compiler

*Foo.class*

*HJ Runtime Environment =  
JRE + HJ libraries +  
HJ Multithreaded Runtime*

*HJ Program Output*

HJ runtime allocates  $m \cdot n$  worker threads across  $m$  “places” (default values:  $m = 1$ ,  $n = 3$ )

*HJ Abstract Performance Metrics  
(optional, enabled by `-perf=true` option for `hj` command)*

`hjc Foo.hj`

`hj -places m:n Foo`