

```

/* example*/
int main()
{
    proc process1=PROCESSOR(isa='AMD',clock_speed=40,mem1,name="processor1");
}

```

/*lexical analysis of the above example*/

<int,INT> <main,IDENTIFIER> <(,LEFT_PARENTEHSIS> <),RIGHT_PARENTHESIS>

<{,LEFT_CURLY>

<proc,PROC> <process1,IDENTIFIER> <=,ASGN_OP> <PROCESSOR,IDENTIFIER> <(,LEFT_PARENTEHSIS> <isa,ISA>
 <=,ASGN_OP> <'AMD',PROC_TYPE> <,,COMMA> <clock_speed,CLOCK_SPEED> <=,ASGN_OP> <40,CONSTANT> <,,COMMA>
 <mem1,IDENTIFIER> <,,COMMA> <name,NAME> <=,ASGN_OP> <"processor1",STRING_LITERAL> <),RIGHT_PARENTHESIS>
 <;,SEMI_COLON>

<},RIGHT_CURLY>