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*******************************************************************************
* MODULE - examples/sumLoop1000
* DESCRIPTION - examples/sumLoop1000

* CONSTANT POOL - Size 0x7c0.  Dump of EXPOSED entries only (option -p not used):


* CODE SEGMENT - Size 0x21

.globals=0
.srcfile="sumLoop1000.rexx"

main()          .locals=4
                .meta "sumloop1000.rexx.main"="b" ".void" main() "" ""
                .src 4:1="sum = 0"
                .meta "sumloop1000.rexx.main.sum"="b" ".int" r1
                load r1,0                                    * 0x000000:00c2 Load op1 with op2
                .src 5:1="do"
                .src 5:4="i=1"
                .meta "sumloop1000.rexx.main.i"="b" ".int" r2
                load r2,1                                    * 0x000003:00c2 Load op1 with op2
                .src 5:8="to 100000"
                load r3,100000                               * 0x000006:00c2 Load op1 with op2
                .src 5:8="to 100000"
lb_9:           igt r0,r2,r3                                 * 0x000009:0068 Int Greater than op1=(op2>op3)
                brt lb_18,r0                                 * 0x00000d:00b4 Branch to op1 if op2 true
                .src 6:4="sum = i+sum"
                iadd r1,r2,r1                                * 0x000010:000f Integer Add (op1=op2+op3)
                .src 5:4="i"
                inc r2                                       * 0x000014:0038 Increment Int (op1++)
                .src 7:1="end"
                br lb_9                                      * 0x000016:00b3 Branch to op1
                .src 8:1="say \"the sum of the numbers 1 to 100000 is:\" sum"
lb_18:          itos r1                                      * 0x000018:00d1 Set register string value from its int value
                sconcat r3,"the sum of the numbers 1 to 100000 is:",r1 * 0x00001a:004e String Concat with space (op1=op2||op3
)
                say r3                                       * 0x00001e:00c6 Say op1
                .src 9:1="return"
                ret                                          * 0x000020:00ad Return VOID
                .meta "sumloop1000.rexx.main.i"
                .meta "sumloop1000.rexx.main.sum"
*******************************************************************************
```