%=%%%%"3+H/ Bh**3**2sL\<x6H

J?Ln>HHf8E

2018/10/12

%=%U%H%&%'%"3+H/ Bh 3 2sL\<x6H

J?Ln>HHf8E

Bh 2 2 sL\I |=,2]Bj

Bh 3 2s - 4X?t

4X tsND 5ATK ISBBSS-B7
2X0 22 tsXSNBeF~
2DIQ 22 ts tsHSM X2 t
JQ tsNb 96.3! < W

JavaScript SHS*515 M X2
SNF CD'

◆ロト ◆部ト ◆恵ト ◆恵ト ・恵 ・夕久○

LdBj

- C1\$K<B9T7k2L\$@\$1\$G\$CK~E@\$G\$C\$J\$\$!#</p>
- ▶ I,\$:9M;!\$rIU\$1\$k\$3\$H!#
- :#2s\$ND19g! "substring() \$Hslice() \$NHf3S\$,M_
 \$7\$\$! #

%=%U%H%&%'%"3+H/ Bh 3 2sL\<x6H

J?Ln>HHf8E

Bn Z ZSL\I |=,Z J

A02 s\$Nl i= ,LdB j\$N2 rEz

Bh 3 2s - 4X?t

2x0z2t\$X\$NBeF~ 2DDQ0z2t\$:sH\$kidX2t JQrt5N898:3! <kW JavaScript \$15*\$1\$kidX?

% 1/4m! <48% c

A02s\$NLi=,LdBj\$N2rEz

Bh 3 2s - 4X?t

2x0z2t5X5NBeF~ 2DJQD2t5x5H5M4Xt JQrt5NB93!<W JavaScript \$K5*\$1\$MXt \$KPCJ'

- C1\$K<B9T7k2L\$7\$+=q\$\$\$F\$\$\$J\$\$\$b\$N\$,B?\$+\$C\$?!#I,\$:!"</p>
 OUL#\$b4^\$a\$?9M; !\$,M_\$7\$\$!#
- 2. \$G\$02 \$D\$NJQ?t\$NCM\$N8r49\$,4JC1\$K\$G\$-\$k\$3\$H\$r; X E&\$7\$F\$ [\$7\$\$! #

- ▶ %3%s%=! <%k\$KI=< (\$5\$1\$?7k2L\$r\$9\$Y\$F=o\$/\$3\$H
- ▶ : @ \$ Nundefined \$ Oconsole.log() \$ NLa\$ jCM\$ J\$ N\$ G ITMW
- ▶ pop() \$Hpush() \$rAH\$_9\$\$\$;\$1\$P\$%%%%%,MFOW\$K
 9=0.\$6\$-\$k!#
- ▶ shift() \$Hpush() \$rAH\$_9g\$o\$;\$1\$P%-%e!<\$,MFOW\$K
 9=@.\$G\$-\$k!#</pre>
- slice() \$Hsplice() \$NOc\$\$\$r=c\$\$\$F\$J\$\$\$b\$N\$,B? \$+\$C\$?!#

LaBj4(1)

► M?\$ (\$i\$1\$?F|;~\$+\$i1=54V8e\$NF|;~

```
>theDay = new Date();
Wed Oct 04 2017 23:50:32 GMT+0900 (E15~ (I&;~))
>new Date(theDay.getFullYear(),theDay.getMonth(),
    theDay.getDate()+7);
Wed Oct 11 2017 00:00:00 GMT+0900 (E15~ (I&;~))
```

► M?\$ (\$i\$1\$?F |; ~\$NMb7n\$N1 F |

```
>new Date(theDay.getFullYear(),theDay.getMonth()+1,1);
Wed Nov 01 2017 00:00:00 GMT+0900 (E15~(18=';~))
```

► M?\$ (\$i\$1\$?F |; ~\$NAO\$N7n\$N: G=*F |

```
>new Date(theDay.getFullYear(),theDay.getMonth(),0);
Sat Sep 30 2017 00:00:00 GMT+0900 (E15~ (I8=';~))
```

%=%U%H%&%'%"3+H/ Bh 3 2sL\<x6H

J?Ln>HHf8E

Bh 2 2 sL\I |=,2]B; A02 s\$NLi=,LdB |\$N2:E2

Bh 3 2s - 4X2t

4x2tsn0f5A1jk!sHBFSS-B57
2x0z2tsX5NBeF~
2DUQ0z2tsIsHSMX2t
UQ0t5Nb983!<W

JavaScript \$KS*\$15MX2t
SNFOO'



```
>new Date(theDay.getFullYear(),theDay.getMonth(),
  (theDay.getDate()-theDay.getDay()+7+1)%7||7);
Mon Oct 02 2017 00:00:00 GMT+0900 (E15~ (I8=';~))
```

- Bh 1 7 rMKF |\$ r5 a\$ a\$ k\$ 3\$ H\$ K4 X\$ 7\$ F\$ 00 5\$ 7\$ \$E z\$ (\$,B ?\$ +\$ C\$?! #
- \$=\$NB>\$NMKF|\$KJO99\$7\$?\$H\$-\$K4JC1\$KJO99\$G\$-\$J\$\$2rEz\$,\$9\$Y\$F

```
for(m=0:m<12:m++){
    theDay = new Date(2018,m,12);
    console.log(new Date(theDay.getFullYear(),theDay.getMonth(),
                (theDay.getDate()-theDay.getDay()+1 +7)%7||7));
 Mon Jan 02 2017 00:00:00 GMT+0900 (E15~ (I8=';~))
 Mon Feb 06 2017 00:00:00 GMT+0900 (E15~ (I8=';~))
 Mon Mar 06 2017 00:00:00 GMT+0900 (E15~ (I8=';~))
 Mon Apr 03 2017 00:00:00 GMT+0900 (E15~ (I8=';~))
 Mon May 01 2017 00:00:00 GMT+0900 (E15~ (I8=';~))
 Mon Jun 05 2017 00:00:00 GMT+0900 (E15~ (I8=';~))
 Mon Jul 03 2017 00:00:00 GMT+0900 (E15~ (I8=';~))
 Mon Aug 07 2017 00:00:00 GMT+0900 (E15~ (I8=';~))
 Mon Sep 04 2017 00:00:00 GMT+0900 (E15~ (I8=';~))
 Mon Oct 02 2017 00:00:00 GMT+0900 (E15~ (I8=';~))
 Mon Nov 06 2017 00:00:00 GMT+0900 (E15~ (I8=';~))
 Mon Dec 04 2017 00:00:00 GMT+0900 (E15~ (I8=';~))
```

Bh 3 2sL\<x6H

.T2T.n > HH f8 E

A02 s\$NLi=,LdB \$N2 rEz

A02 sN1 = LoB jN2 rEz(1)

<!\$N<0\$NI>2A7k2L\$r5a\$a\$J\$5\$\$!#

<0	7k2L	M }M3	
	"45"	1&\$N%*%Z%i%s%I\$,J8;zNs\$J\$N\$G	
4+"5"		:8\$N?t\$OJ8; zNs\$KJQ49\$5\$1! " \$=	
		\$1\$i\$,0 " @\\$5\$1\$k!#	
4-"5" —1	1	1i;;;R\$,-\$J\$N\$GL&\$NJ8;zNs\$,?t	
	-1	\$KJQ49\$5\$1\$k!#	
4+"ff"	"4ff"	A 0\$ HF 1MM	
4+"0xff"	"40xff"	A 0\$ HF 1MM	
4-"0xff" "-251"		A 0\$ HF 1MM	

%=%U%H%&%'%"3+H/ Bh 3 2sL\<x6H

J?Ln>HHf8E

Bh 2 2 sL\I =,2]Bj

Bh 3 2s - 4X?1

xztsnojsajkishers-es7 >02tsxshee~ doo2tsashsmxt qxtsm.si.dw avaScript sis+sismx hroo*

A02 sN1 = LoB jN2 rEz(2)

%=%U%H%&%'%"3+H/ Bh 3 2sL\<x6H

J?Ln>HHf8E

Bh 2 2 SL \I |=,2]Bj A@s\$NLi=,LdBj\$N2:E2

Bh 3 2c = 4 42+

4XtsND;5A1;KISHFSS-FS7 2>0:27t3XSNB:F-2DIQ0:27t5:SHSMIX7t JQ7t5NS:98:3!<W JavaScript srs:*\$15MIX7 SNFOD'

<!\$N<0\$NI>2A7k2L\$r5a\$a\$J\$5\$\$!#

4+parseInt("ff",16)

<0	7k2L	M }M3
	NaN	J8; zNsFb\$K?t\$H\$7\$F@5\$7
		\$/JQ49\$5\$1\$k\$b\$N\$, \$J\$\$\$N
4+parseInt("ff")		\$GparseInt() \$NLa\$jCM\$,
		NaN \$H\$J\$j! "\$3\$10J9_\$N?t
		\$N1i;;\$ONaN \$H\$J\$k!#
	259	parseInt() \$@5\$7\$/16?J
4+parseInt("0xff")		?t\$H\$7\$F2r <a\$9\$k\$n\$g4+< td=""></a\$9\$k\$n\$g4+<>
		255 = 259 \$h\$J\$k! #

259

\$k!#

4p?t\$r16\$H; XD;\$7\$F\$\$\$k\$N

SG! "0.5\$7\$/255 \$H2r<a\$5\$1

<!\$N<0\$NI>2A7k2L\$r5a\$a\$J\$5\$\$!#

41e1	J8; zns\$no"@\
5	"1e1" \$0?tCM%j%F%i%k\$H\$7
	\$F\$01×10 ¹ = 10\$rI=\$9\$,! "
	parseInt() \$000?t%j%F%i
	%kI=5-\$7\$+07\$o\$J\$\$. ?t\$N
	JQ49\$0e\$NA0\$G=*\$c\$k\$N\$G
	1 \$NCM\$,La\$jCM\$H\$J\$k!#
14	parseInt() \$H0[\$J\$j!"
	parseFloat() \$NLa\$jCM\$O
	10 \$H\$J\$k!#
	5

A02 sN1 = LdB jN2 rEz(4)

<!\$N<0\$NI>2A7k2L\$r5a\$a\$J\$5\$\$!#

		J8; zNs\$N4V\$G\$O*\$NLi; ;\$,Dj5A\$5
"4"*"5"	20	\$1\$F\$\$\$J\$\$\$N\$GN>J}\$H\$b?t\$KJQ
		49\$5\$1\$F7W ;; \$5\$1\$k!#
"4"/"5"	0.8	>e\$HF1MM

%=%U%H%&%'%"3+H/ Bh 3 2sL\<x6H

J?Ln>HHf8E

DII Z Z SL (I |-,Z JI

A02 s\$NLi=,LdBj\$N2 rEz

Bh 3 2s - 4X?t

:>0:27:535MBeF~ :DDQ0:27:53:545MX?t TQ7:53M:98:31:4W JavaScript sk5:4515MX?t 5NFCD'

<!\$N<0\$NI>2A7k2L\$r5a\$a\$J\$5\$\$!#

[] longth	0	G [N s\$NMWAG\$,\$J\$\$\$N\$@9\$5\$0 0
[].length		\$H\$J\$k!#
[[]] longth	1	D9\$5\$r5a\$a\$kG[Ns\$06u\$NG[Ns01
[[]].length		\$D\$1MWAG\$K;}\$D!#
0 == "0"	true	J8; zNs"0"\$,?t0 \$KJQ49\$5\$1\$F
0 == "0"		Hf3S\$5\$1\$k
0 == []	true	6u\$NG[Ns\$,6uJ8; z""\$KJQ49\$5\$1
0 []		\$?\$N\$A!"?t0 \$KJQ49\$5\$1\$k!#
	false	6u\$NG [Ns\$,6uJ8; z""\$KJQ49\$5\$1
"0" == []		\$?\$N\$A!"U8;zNsF1;N\$NHf3S\$,9T
		\$0\$1\$k!#
	false	6u\$NG[Ns\$0%*%V%8% ′ %/%H\$H\$7\$F
! []		B8:_\$9\$k\$N\$Gtrue \$H2r <a\$5\$1! "<="" td=""></a\$5\$1!>
		H]Dj1i ;;; R\$Gfalse\$K\$ <i>J</i> \$k!#

J?Ln>HHf8E

A02 s\$NLi=,LdB |\$N2 :Ez

1. 2. 0 - 4304

Bh 3 2s - 4X?t

4XttND 5A1)KISHBFS-FS7

2022t5XSNBE-2DJQ22t5SNBE-2DJQ22t5SNBE-4W

JavaScript SKS+SISMX2t
SNFCD'

	true	6u\$NG [Ns\$,6uJ8; z""\$KJQ
false == []		49\$5\$1\$?\$N\$A!"?t0 \$KJQ
		49\$5\$1\$k!#
	false	false \$,?t\$K 0 \$KJQ49
<pre>false == undefined</pre>		\$5\$1! " ?t\$\undefined+
		\$Œy\$7\$/\$J\$\$!#
	false	G [Ns\$%*%%%/%H\$G\$"
[] == []		\$ j! " F s\$D\$N6u\$NG [N s\$OJL
		J*\$H\$_\$J\$5\$1\$k!#
tuncof []	"object"	G[N\$\$%*V%8%'%/%H\$G\$"
typeof []		\$k! #
null == undefined	true	\$3\$NHf3S\$Otrue \$HDj5A
nuii underined		\$5\$1\$F\$\$\$k!#
a=[], b=a, a==b;	true	F1\$%&%b%j!<\$K\$ " \$k%*%V
a-[], b-a, ab;		%%/%H\$r ;

4JC1\$J4X?t\$NNc

```
sum() $H$$$.4X?t$nDj5A$7$F$$$kNc
function sum(a,b) {
  var c = a + b;
  return c; // return a + b;!!$G$b$h$$!#
}
```

%=%U%H%&%'%"3+H/ Bh 3 2sL\<x6H

J?Ln>HHf8E

Bh 2 2sL\I |=,2]B

Bh 3 2s - 4X?t

4X2t\$ND 5AJ k !\$HBF\$S=P\$7

2x0 2? t\$X\$NBeF~
2DJQ0 2? t\$ X\$H\$X4 X2 t
JQ2 t\$Nk 9k 3! <kW

JavaScript \$X\$ *\$1\$ k4 X2

JOPESNESS: JavaScript sis*sis.edu?: sis*ou*

%/%m! <%8%c

▶ function %-! ≪o! ≪I
La\$;CM\$N7 ?\$r5-\$9I,MW\$O\$J\$\$! #

- ► 4X?t\$NL>A0
 function \$N8 e\$K\$ "\$k<1JIL>\$,4X?t\$NL>A0\$K\$J\$k! #\$3
 \$N>19 c\$0 sum \$,4X?t\$NL>A0\$K\$J\$k! #
- 0 z?t\$% j% %H
 4X?tL>\$N8 e\$K() Fb\$K% +% s% ^\$G6h@ Z\$ i\$ 1\$?0 z?t\$ r5 -= R\$ 9
 \$k! #\$3\$N> 19 g\$ OJ Q? t a \$Hb \$,M?\$ (\$ i\$ 1\$ F\$ \$\$ k! #0 z? t\$ 0
 \$J\$ /\$F\$b\$h\$\$! #
- ► 4X?t\$NK\BN\$G\$"\$k%3! << 1%V%n%C%/ {}\$QOG^\$1\$?ItJ,\$K4X?t\$NFbMF\$r5-=R\$9\$k!#
- return %-! %o! %I
 4X?t\$NLa\$ jCM\$r\$3\$N8e\$K5-=R\$9\$k! #La\$ jCM\$,\$J\$\$>19g
 \$K\$CLa\$ jCM\$H\$7\$Fundefined \$,JV\$5\$1\$k! #

4X?t\$NKB9INc

```
%=%U%H%&%'%"3+H/
Bh 3 2sL\<x6H
```

J?Ln>HHf8E

Bh 2 2sL\I |=,2]B;

AOZ s\$NL i= ,LdB j\$NZ rE

Bh 3 2s - 4X?t

4X2t\$NDj5AJ}K!\$HBF\$S=P\$7

2>0 z?t\$X\$NBeF~

2DJQ0z?t\$r\$H\$k4X?t JQ?t\$N%9%3!<%W

\$NFCD'

%/%m!<8%c

>sum(1,2)

>sum(1)

NaN

> sum(1,2,3)

3

4X2tSND45AJ1K!SHBFSS=PS7

- 0z?t\$K1 \$H2 \$m/\$ (\$1\$P4 BTDL\$ j\$N7k2L\$,F@\$i\$1\$k! #
- Oz?t\$K1 \$@\$1\$nM?\$(\$?>19q! "%(%i!<\$,5/\$3\$i\$:! "NaN</p> \$H\$J\$k!#\$3\$1\$O!"ITB-\$7\$F\$\$\$k0z?t(\$3\$N>19q\$K\$Ob) \$K\$Pundefined \$,EO\$5\$1\$k\$?\$a\$G\$"\$k!#1+undefined \$N7k2L\$ONaN \$K\$J\$k!#
- Oz?t\$rB?\$/EO\$7\$F\$b%(%i!<\$,H/@8\$7\$J\$\$!#L5;k\$5\$1\$k</p> \$@\$1\$G\$"\$k!#

\$3\$1\$i\$N\$3\$H\$+\$i JavaScript \$N4X?t\$0%*V%8%'%/%H; X8~\$G ; H\$ 0\$ 1\$ k%]% %b! < U% #% :% \\$ r% 5%]! < H\$ 7\$ F\$ \$\$ J\$ \$! #

4X?t\$N:FD j5A

```
%=%U%H%&%'%"3+H/
 Bh 3 2sL\<x6H
  J2T.n > HH f8 E
```

4X2tSND45AJ1K!SHBFSS=PS7

```
F1$84X?t$nDj5A$7$F$b%(%i!<$K$J$i$J$$!#8e$M4X?t$nDj5A
$,M%@h$5$1$k!#
function sum(a, b){
  return a+b;
function sum(a, b, c){
  return a+b+c;
```

2>0 z?t\$X\$NBeF~

%=%U%H%&%'%"3+H/ Bh 3 2sL\<x6H

J?Ln>HHf8E

Bh 2 2sL\I |=,2]Bj

Bh 3 2s - 4X?t

4 X2 t\$ND (5 AJ)K !\$HE

2>0 z?t\$X\$NBeF~

JQ2 t\$N& 9& 3! <&W

NF®'

- 2>0z?t\$KCM\$rBeF~\$7\$F\$b%(%i!<\$H\$O\$J\$i\$J\$\$!#</p>
- 2>0z?t\$NCM\$,%W6j6_%F%#%V\$J\$H\$-\$H\$=\$&\$G\$J\$\$\$H\$-\$H \$G\$O8F\$S=P\$785\$K\$*\$1\$kJQ?t\$NCM\$,0[\$J\$k!#

J?Ln>HHf8E

Bh 2 2sL\I |=,2]Bj
AC2s\$NLi=,LcBj\$N2rEz

Bh 3 2s - 4X?t

4X2t\$ND |5AJ |K !\$HBF\$S= 2>0z2t\$X\$NBeF~

2DJQ0 z? t\$ r\$H\$ k4 >

JavaScript \$K\$+\$1\$MX? \$NF@'

```
function func1(a){
   a = a*2;
   return 0;
}
function func2(a){
   a[0] *=2;
   return 0;
}
```

Bh 2 2sL\I |=,2]Bj ACCsNi=,LcBj\$N2rE2

Bh 3 2s - 4X?t

4 X2 t\$ND (5 AJ)K !\$HB E

2DJQ0z?t\$r\$H\$k4X?t

JQ:tsNk9k3! <W

JavaScript sks+s1sk4x?!
sNFOD'

*/*m! <8%c

```
func1() $G$02>0z?ta $NCM$r2G\$7$F$$$k!#
```

- <!\$N\$h\$&\$K<B9T\$9\$k\$H! "8F\$S=P\$785\$NJQ?t\$NCM\$K\$OJQ 2=\$,\$J\$\$
- ► %W6; 18_%F8; #W\$JCM\$12>0z?t\$ŒO\$9\$HCM\$=\$N\$b\$N\$,EO\$5 \$1\$k

```
>a = 4;
4
>func1(a); // La$jCM$0 0
0
>a; //a $NCM$OJQ2=$7$J$$
```

ACC SING -, LOB SINCE Bh 3 2s - 4X?t

2>0 z?t\$X\$NBeF~

JQ::SN:9:3! <W

JavaScript sis+siskix:t
snFCD'

```
func2() $N2>0z?t$OG [Ns$,A [Dj$7$F$"$k!#$3$N@hF,$N
CM$@$12G\$5$1$k4X?t$G$"$k
```

- \$3\$1\$KG [Ns\$1E0\$9\$H! "La\$C\$F\$-\$?\$H\$-G [Ns\$N@hF,\$NCM \$,JQ2=\$7\$F\$\$\$k
- ► %W6;1% \$%_%F% #% V7;0,130\$ G\$ C2>0 z? t\$NEO\$ 7J}\$,; >> HEO\$ 7 \$G\$ "\$k

```
>a = [1,2,3];
[1, 2, 3]
>func2(a);
0
>a;
[2, 2, 3] //G[Ns$N@hF,$NCM$, 2G\$5$1$F$$$k
```

2>0 z?t\$X\$NBeF~ 2DJ00 z?t\$r\$H\$k4X?t

JOPUS NR 98:3! < NW Java Script | SKS + S1S KM XS

\$NFŒ' %/%m!≪8%c

```
0z?t$N?t$r8@j$7$J$$$h$&$K$9$k$?$a$K$02>0z?t$KE83+1i
;;;R$r$D$1$k¹!#
function sumN(...args) {
    let S = 0;
    for(let i=0;i<args.length;i++) {
        S += args[i];
    }
    return S;
}</pre>
```

- ▶ 19TL\\$C4X?t\$N2>0z?targs\$Æ83+1i;;;R...\$r\$D\$1\$k!#
- ▶ args \$0G [Ns\$H\$J\$N\$G\$=\$NBg\$-\$5\$0args.length
- ▶ \$3\$1\$rMQ\$\$\$FAmOB\$N%W%m%0%i%\\$,29TL\\$+\$i59TL\\$K 5-=R

^{1\$3\$1\$^\$\$}NJavaScript \$\$0! "4X?t\$NDz?t\$rI ⇒ 96 Ns\$N\$h\$&\$J6 — A\$r;}\$Darguments \$*%V%8%'\$/%H\$,MQU\$5\$1\$F\$\$\$?\$,! "ES2015 \$\$CHs?♂)\$H\$J\$\$?!#

<B9 INc

<B9TNc\$0<!\$N\$H\$*\$j\$G\$"\$k!#
>sumN(1,2,3,4); //La\$jCM\$0 10
>sumN(1,2,3,4,5);//La\$jCM\$0 15

%=%U%H%&%'%"3+H/ Bh 3 2sL\<x6H

J?Ln>HHf8E

Bh 2 2sL|=,2]Bj

A 02 s\$N1 i= ,LdB j\$N2 r

Bh 3 2s - 4X?t

2DJQ0z?t\$r\$H\$k4X?t

J@rtsNa9k3!≪w JavaScript sks+s1s1

% /% m! <% 8% o

JQ?t\$N%9%3!<\W\$H\$O\$"\$k>l=j\$G;H\$O\$1\$F\$\$\$kJQ?t\$,\$I\$3\$+ \$i; \(\) H\$G\$-\$k\$+\$H\$\$\$ &35G0

- Hsstrict %b! % I\$G\$OJQ?t\$O@k8@\$7\$J\$/\$F\$b; HMQ\$G\$-\$k! #
- 2. let \$K\$h\$jL@< (E*\$KDj5A\$5\$1\$?JQ?t\$O\$=\$M*V%m%C%/Fb \$CM-8z
- 3. let \$@k8@\$5\$1\$?JQ?t\$O\$=\$N%V%m%C%/Fb\$@k8@\$h\$jA0 \$G;HMQIT2D
- 4. 4X?tFb\$Gvar \$K\$h\$ j@k8 @\$ 5\$ 1\$?JQ?t\$ 04 X?t\$N@hF,\$@k 8 @\$ 7\$?\$HF 1\$ 8 (JQ?t\$N4,\$→ e\$ 2)! #= i4 |2 =\$ 0@k8 @\$ NO LCV \$ @\$ T\$ o\$ 1\$ k! #
- 5. 4X?t\$N30\$@k8@\$5\$1\$?JQ?t\$@k8@\$5\$1\$J\$\$\$G;HMQ\$5\$1 \$?JO?t\$O\$9\$Y\$F%0%m! <%P%k\$H\$J\$k!#

% 9% 3! <% W& A% 1% \$% s

%=%U%H%&%'%"3+H/ Bh 3 2sL\<x6H

J?Ln>HHf8E

Bh 2 2sL\I |=,2]Bj

Bh 3 2s - 4X?t

2DJQ0 z? t\$ r\$H\$k4 X? t JQ? t\$N% 9% 3! <%W

JavaScript \$K\$*\$1\$KMX? \$NFCD'

4X?t\$NCf\$G4X?t\$nDj5A\$9\$k\$H! "\$=\$NFbB&\$MX?tFb\$Gvar \$d let \$G@k8@\$5\$1\$?JQ?t\$N\$[\$+\$K! "01\$D>e\$N4X?t\$GMxMQ\$G\$-\$k(%%3! %W\$K\$"\$k) JQ?t\$,MxMQ\$G\$-\$k! #\$3\$1\$,%%3! %W %R%'\$\$\$G\$"\$k! #

% \$% \$\mathbf{S} \mathbf{S} \mathbf{S} \mathbf{N} \mathbf{S} \mathbf{S} \mathbf{N} \mathbf{S} \mathbf{N} \mathbf{D} \math

```
let G1, G2;
function func1(a) {
  let b, c;
  function func2() [
    let G2, c;
    ...
}
```

%=%U%H%&%'%"3+H/ Bh 3 2sL\<x6H

J?Ln>HHf8E

Bh 2 2sL\I |=,2]B;

AUCSVILL-, LUB JVILLE

? t\$ND j5AJ }K !\$HBF\$S

2>0 z?t\$X\$NBeF~ 2DJQ0 z?t\$r\$H\$k4X?t

JQPt\$NN:983!<*W

JavaScript \$K\$*\$1\$K4

4□ > 4□ > 4□ > 4□ > 4□ > 4□

JQPt\$Nk9k3! <kW

\$NFCD' %/%m! <%8%c

4X?tfunc1() \$G\$0%0%m! <%P%kJQ?t\$G\$"\$kG1 \$HG2!"2> 0z?t\$Na \$H%m! <%+%kJQ?tb \$Hc \$,MxMO\$G\$-\$k! #</p>

4X?tfunc2() \$G\$%%m! &P%kJQ?t\$G\$ "\$kG1! "func1() \$N2>0z?t\$Na \$Hfunc1() \$N%m! &+%kJQ?tb! "func2() \$N%m! &+%kJQ?tG2 \$Hc \$,MxMQ\$G\$-\$k! #

JavaScript \$M4X?t\$M6 93! <%W6O4X?t\$,Dj5A\$5\$1\$?\$H\$-\$M69 83! <%W6A6'8\$\$\$,E,MQ\$5\$1\$k! #\$3\$1\$1616-878+8k6983! <%W \$H8F\$V! #

JQ? t\$N% 9% 3! < W\$NBNG' (1)

```
let S = "global";
function func1(){
  console.log(S);
  return 0;
}
```

%=%U%H%&%'%"3+H/ Bh 3 2sL\<x6H

J?Ln>HHf8E

Bh 2 2sL\I \mid =,2]B;

A02 s\$N1 i= ,LdB j\$N2:

Bh 3 2s - 4X?t

2>0:2?t\$X\$NBeF~ 2DTM:2?t\$r\$H\$k4X?t

JQ? t\$N% 9% 3! <%W

JavaScript \$K\$*\$1\$k4X?t

JQ?t\$18983! %W\$1B1G'(1)2r@b

%=%U%H%&%'%"3+H/ Bh 3 2sL\<x6H

J?Ln>HHf8E

Bh 2 2 sL\I |=,2]Bj

ACC S\$NLi=,LoBj\$NC rEz

Bh 3 2s - 4X?t

2>0 z?t\$X\$NBeF~

JQ? t\$N% 9% 3! <%W

JavaScript \$K\$*\$15KMX \$NFCD'

% % m! <% P% kJQ? t S \$, @ k8 @\$ 5\$ 1\$ F\$ \$\$ F" global" \$ H\$ \$\$ &
 J8; zN s\$ NCM\$ K= i4 | 2=\$ 5\$ 1\$ F\$ \$\$ k! #</pre>

- func1() \$,D;5A\$5\$1\$F\$\$\$k!#
- ▶ \$ \$NCM\$ r% 3% s%=! <% k\$K=PNO\$ 7\$ F\$ \$\$ k! #
- \$3\$N4X?tFb\$GJQ?t\$\$0@k8@\$5\$1\$F\$\$\$J\$\$\$N\$G29TL\\$G Dj5A\$7\$?%0%m!

```
>func1();
global
0
```

JQ?t\$N%9%3! &W\$NBNG'(2)

```
let S = "global";
function func2(){
  console.log(S);
  let S = "local";
  console.log(S);
  return 0;
}
```

%=%U%H%&%'%"3+H/ Bh 3 2sL\<x6H

J?Ln>HHf8E

Bh 2 2sL\I |=,2]B

 $\texttt{A02}\,\texttt{s$N1}\,\texttt{i=,LdB}\,\texttt{j$N2}$

Bh 3 2s - 4X?t

>0 z?t\$X\$NBeF~

JQ? t\$N% 9% 3! <%W

JavaScript \$18*\$1814X?t \$NF@'

2>0 z?t\$X\$NBeF~

JQPt\$NR9k3! AW

Javaocript \$15*\$1\$101X? \$NFD' \$/Amiles@c

- ▶ \$ \$NCM\$ r% 3% s% =! <% k\$ K 2 2 s=PNO\$ 7\$ F\$ \$\$ k! #
- \$3\$N4X?tFb\$GJQ?t\$\$\$0%m!<%+%kJQ?t\$H\$7\$F@k8@\$5\$1\$F \$\$\$k!#
- \$=\$N\$7\$?\$NJQ?t\$\$\$0%m!<%+%kJQ?t\$H\$J\$k</p>
- ▶ \$3\$N8e! "let \$@k8@\$5\$1\$k\$N\$GJ&K!>e%(%i!<\$H\$J\$k!#
- var \$@k8@\$9\$k\$H! "\$3\$NCJJ,\$G\$CM! ≪ +%kJQ?tS\$K\$O
 CM\$,BeF~\$5\$1\$F\$\$\$J\$\$\$N\$G\$=\$NCM\$Oundefined\$H\$J
 \$j! "8e\$N=PNC\$G\$=\$NAO\$Dj5A\$5\$1\$?CM\$H\$J\$k! #

var \$@k8@\$7\$?>19g\$N⊨PNO

>func2(); undefined local

JOPESNE 9E31 KEW

```
let S = "global";
function func3(){
  let S = "local";
  func1();
  return 0;
```

- ▶ %m! <%+%kJQ?tS \$rD j5A\$7\$F! "=i4 CM\$r"local"\$H\$7\$F \$\$\$k!#
- =i\$a\$KD j5A\$7\$?4X?tfunc1() \$r8F\$S=P\$7\$F\$\$\$k!#
- ▶ func1() \$N<B9T\$N:]\$O! "\$b\$H\$b\$H\$3\$N4X?t\$,D †5A\$5\$1 \$?; ~\$NUQ?tS(19TL\)\$,; 2>H\$5\$1\$k!#

```
>func3():
global
```

JQ?t\$N%9%3! &W\$NBNG'(4)

```
let S = "global";
function func4(){
  let S = "local in func4";
  func5 = function() {
    console.log(S);
    return 0;
  };
  console.log(S);
  return 0;
```

%=%U%H%&%'%"3+H/ Bh 3 2.sL\<x6H

J?Ln>HHf8E

Bh 2 2 sL\I =,2]Bj

Bh 3 2s - 4X?t

4 X2 t\$ND j5 AJ jK !\$HB F\$S=F\$ 2>0 z?t\$X\$NBeF~

JQ? t\$Nk9k3! <kW

JavaScript \$15*\$1\$141X2t SNFCD'

JQ?t\$N%9%3! &W\$NBNG'(4)2r@b

- %m! %+%kJQ?tS \$NCM\$r@_D j\$7\$F\$\$\$k!#
- ▶ \$=\$N8e\$N=PNO\$O@_D †\$7\$?CM\$H\$J\$k!#

```
>func4();
local in func4
0
```

%=%U%H%&%'%"3+H/ Bh 3 2sL\<x6H

J?Ln>HHf8E

Bh 2 2sL\I |=,2]B

Bh 3 2s - 4X?t

1X? t\$ND j5 AJ jK !\$HB F\$ S= 2>0 z?t\$X\$NBeF ~

JQ? t\$Nk 9k 3! <kW

JavaScript şxş∗şışkıx?t sn=∞'

- ▶ 4X?t%*%V%8%'%/%H\$rJO?tfunc5\$KBeF~\$7\$F\$\$\$k!#\$3\$1 \$K\$h\$jfunc5()\$H\$\$\$&4X?t\$,Dj5A\$5\$1\$k!#
- ▶ JQ?t@k8@\$,\$J\$\$\$N\$GJQ?tfunc5\$%%m! <%P%kJQ?t\$H \$J\$k
- func5() Fb\$G\$QJQ?tS \$NFbMF\$r=PNQ\$,D †5A\$5\$1\$F\$\$\$k! #
- func4() \$r<B9T\$7\$?8e\$G\$Ofunc5() \$,<B9T\$G\$-\$k!#</p>
- 4X?tfunc5() \$,D;5A\$5\$1\$?CJ3,\$G\$NJO?tS\$0\$3\$M4X?t \$,func4() \$NCf\$@ ;5A\$5\$1\$F\$\$\$k\$N\$G! "18 9TL\\$NJO?t S\$,;2>H\$5\$1\$k!#

```
func5();
local in func4
```

4X?t\$b%G!<%?

%=%U%H%&%'%"3+H/ Bh 3 2sL\<x6H

J?Ln>HHf8E

Bh 2 2sL\I |=,2]Bj

Bh 3 2s - 4X?t

2>0 z?t\$X\$NBeF~ 2DJQ0 z?t\$ z\$H\$ k4 X?t JQ?t\$N\$ 9\$ 3! <kW

JavaScript \$X\$*\$1\$X4X?t \$NF®'

- 4X?t\$b%G! <%?7?\$N\$R\$H\$D\$J\$N\$G! "4X?t\$NDj5A\$rJQ?t\$K BeF~\$9\$k\$3\$H\$,\$G\$-\$k!#
- BeF~\$0\$\$\$D\$G\$b\$G\$-\$k\$N\$G! "<B9T;~\$K4X?t\$NDj5A\$rJQ \$(\$k\$3\$H\$b2DG=
- ▶ 4X?t\$NLa\$jCM\$H\$7\$F4X?t<+BN\$rJV\$9\$3\$H\$b2DG=

JavaScript \$15*\$15141X?t

- 4X?t%*%V%8%'%/%H\$O4X?t\$NOz?t\$H\$7\$FD>@\EO\$9\$3\$H\$b \$G\$-\$k!#\$=\$N4X?t\$K\$OL>\$,\$J\$/\$F\$b\$h\$\$(L5L>4X?t)!#
- > %\$% \$% H(%%&9\$,%%j%C%/\$5\$1\$?!"01Dj\$N;~4V\$,7P2a
 \$7\$?)\$,H/@8\$7\$?\$H\$-\$K!"\$=\$N=hM}\$r9T\$&4X?t\$rEPO?
 \$9\$kI,MW\$,\$"\$k!#\$3\$N\$h\$&\$K4X?t\$KOz?t\$H\$7\$FEC\$5\$1
 \$k4X?t\$N\$3\$H\$r%3! &k%P%C%/4X?t\$H\$\$\$&!#

J?Ln>HHf8E

```
Bh 2 2sL\I |=,2]Bj

ACC:$NI:=,LCB;$NC:Ez
```

h 3 2s - 4X?t

```
%/%H$NsetTimeout()%a%⇒C%I$N;HMQNc
   let T = new Date();
                                                           JavaScript $K$*$1$k4X?t
   window.setTimeout(
     function callMe(){
       let NT = new Date();
       if(NT.getTime()-T.getTime()<10000) {</pre>
5
          console.log(Math.floor((NT.getTime()-T.getTime())/100
          window.setTimeout(callMe.1000):
      }.1000):
```

- #19TL\\$G\$O<B9T3+; O; ~\$N; ~4V\$nJQ?tT \$K3JG<! #C10I\$O %_%jIC! #
- \$3\$\%a%=%C%\I\$OO\lDj; ~4V7P2a8e\$K8F\$S=P\$5\$1\$k4X?t\$H!"
 <B9T\$5\$1\$k7P2a; ~4V(C10\I\$O%_%jIC)\$r0z?t\$K<\h\$k!#</pre>
- ► <B9T\$9\$k4X?t\$039TL\\$+\$i99TL\\$@j5A\$5\$1\$F\$\$\$k!#
- \$3\$M4X?tFb\$G01Dj\$N>r7o\$N\$H\$-\$O\$3\$N4X?t\$r8F\$S=P\$9!# \$3\$M4X?t\$NL>A0\$OcallMe(3 9TL\)!#
- ▶ 49 TL\\$@F\$S=P\$5\$1\$?\$H\$~\$N; ~4V\$r5a\$a! "7P2a; ~4V\$, 10000 %_% jI@J2 & \$\\$P(59TL\)! "7P2a; ~4V\$rI@1 01\$GI \ll (\$9\$k(69TL\)! #
- ▶ \$5\$i\$K!"<+J,<+?H\$r1IC8e\$K8F\$S=P\$9(79TL\)!#

<+8 J<B9 T4 X? t\$NI ,MWQ-

```
%=%U%H%&%'%"3+H/
Bh 3 2sL\<x6H
```

J?Ln>HHf8E

Bh 2 2sL\I |=,2]Bj
AC2s\$NLi=,LdBj\$N2rEz

Bh 3 2s - 4X?t

4X2 tsND j5AJ jK !SHBFS 9-FS '
2>0 z2t\$X\$NBeF~
2DJQ0 z2t\$ r\$H\$ lol X2 t

JavaScript \$K\$*\$1\$K4X?t

% /% m! <% 8% c

```
<!$N%3! %I9M$ ($k! #
let i;
for(i=1;i<10;i++) {
   console.log(i+" "+i*i);
}
```

\$3\$\mathrm{0}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{2}\mathrm{1}\mathrm{2}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\mathrm{1}\m

2002; to Aprilee ~ 2DJQ0 2; t\$ r\$H\$ k4 X; t JQ; t\$ Nk 9k 3! <kW

JavaScript \$K\$*\$1\$KKX?t \$NFCD'

```
D †5A$ 7$ ?4X? t$ r$=$N> 1$G<B9 T$G$-$k5 !G=
(function(){
  let i;
  for(i=1:i<10:i++) {
    console.log(i+" "+i*i);
  })();
4X?t$ND;5A$rA4BN$G()$QOQ$_!"$=$N$"$H$K4X?t$N8F$S=P$7
$r<($9$?$a$N()$rIU$1$k!#
$3$N5;K!$0! "=i4 |2=$NCJ3,$G12s$7$+B9T$7$J$$; wJA$r5-
=R$ 7! "$+$D%O%m! <%P%k$J6u4V$r1x$5$J$$(M>7W$JJQ?t$J$I$r
```

let \$GJQ?ti \$rfor Fb\$@k8@\$9\$k\$H! "\$=\$NJQ?t\$Ofor J&Fb \$G\$7\$+B8: \$7\$J\$\$! #\$^\$?! "%9%3! &W\$N5,B'\$,>/\$70 [\$J\$k!#

; D\$ 5\$ J\$ \$) < †C J\$ H\$ 7\$ FMQ\$ \$\$ i\$ 1\$ k! #

%/%m!<%8%c

- ► 4X? tFbI t\$@k8@\$5\$1\$?JQ?t\$O! "\$=\$N30B&\$+\$i; ≥H\$9\$k \$3\$H\$,\$G\$-\$J\$\$!#
- \$=\$M4X?t\$O4X?tFb\$N%m! <%+%kJQ?t\$rJD\$89~\$a\$F\$\$\$k!#</p>

```
Bh 2 2sL\I |=,2]Bj
accssni=,lobjsncez
```

Bh 3 2s - 4X?t

2>0 z?t\$X\$IBeF~ 2DIQ0 z?t\$I\$I\$M X?t JQCt\$IR\$M \$1.4W JavaScript \$18*\$1\$M X2

2 /2 ml /2 85 c

```
function f1() {
  let n=0;
  return function() {
    return n++;
  };
<B9 INc(JQ?tn $,; 2>H$G$-$J$$)
>ff= f1();
() {
 return n++;
>n;
VM351:2 Uncaught ReferenceError: n is not defined(!D)
```

イロト イボト イヨト オラト ラー かなべ

J?Ln>HHf8E

Bh 2 2 sL\I |=,2]Bj

AC2 s\$N1 i=,1 cB j\$N2 rE2

Bh 3 2s - 4X?t

2x0 2?t\$x\$NBeF~
2DJQ0 2?t\$x\$H\$MX?t
JQ2t\$NR9R3! <W

JavaScript \$K\$*\$1\$MX?

% /% m! <% 8% c

```
JQ?tn $0B8:_$7$F$$$k
>ff();
0
>ff();
>ff();
>ff2=f1();
() {
    return n++;
>ff();
>ff2();
```

%/%m! <% 8% c\$NNc - JQ? t\$r1 #\$9(2 r@b)

J7Ln>HHf8E Bh2 2sL\I |=,2]Bj

%=%U%H%&%'%"3+H/ Bh 3 2sL\<x6H

Bh 3 2s - 4X?t

% (% m! < 18% c

- ▶ JQ?tff \$K4X?tf1() \$GJV\$5\$1\$k4X?t%*%%%'%'%\\\Be F~\$9\$k!#
- ▶ f1() Fb\$N%m! <%+%kJO?t\$O; 2>H\$G\$-\$J\$\$!#
- 4X?tf1() \$r<B9T\$7\$F! "La\$ jCM\$N4X?t\$r<B9T\$9\$k\$H!" f1() Fb\$N%m! <%+%kJQ?t\$,; >>H\$G\$-\$F\$\$\$k!#
- 2 ?2 s\$+<B9T\$ 9\$ k\$HLa\$ jCM\$,=g\$KA}2C\$ 7\$F\$ \$\$ k\$ 3\$H\$,\$0 \$+\$k! #\$D\$ ^\$ j! "%m! <%+%k\$K\$OJQ?tn\$,B8:_\$7\$F\$ \$\$ k! #</p>

2>0z?t\$x\$nbef~ 2ddqdz?t\$t\$h\$kdx?t gqrt\$nb\$13!
dw JavaScript \$k\$*\$1\$kdx?

%/%m!<8%c

```
$b$&01EY4X?tf1() $r<B9T$9$k$H?7$7$$4X?t$,F@$i$1$k!#
>ff2=f1();
() {
    return n++;
    }
>ff();
2
>ff2();
```

4 X? tSND ;5 AJ ;K !SHBF\$ 9=F\$ 7 2×0 z? tS XS NBeF ~ 2DJQ0 z? t\$ 15 H\$ k4 X? t JQ? t\$ N\$ 9\$ 3! <#W

JavaScript \$18*\$1\$1 \$NFCD'

s/8m! <888c

```
4X?tf1 $r0 \text{EY$ (\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\square\
```

})();

L5L>4X?t\$r\$=\$N>1\$G<B9T\$9\$k(2r@b)

Bh 3 2sL\<x6H J?Ln>HHf8E

%=%U%H%&%'%"3+H/

Bh Z Z SL \I |=, Z]B]

A02 s\$N1 i=, LoB j\$N2 rE z

Bh 3 2s - 4X

x0 x2 t\$ X\$ NB eE ~ DJ GO 22 t\$ 15 H\$ kd X2 t G2 t\$ NB 98 3! <kW avaScript \$ K\$ *\$ 15 kd X2

%/%m!<%8%c

- ▶ La\$5\$1\$?4X?t%*%%%'%/%H\$rJQ?tfoo\$KBeF~\$9\$k!#
- ► A 0\$HF 1\$8\$h\$&\$K<B9T\$G\$-\$k!#

```
>foo();
0
>foo();
1
>foo();
```

2

function f2() {

J7I.n > HH f8 E

```
let a = [];
  let i;
  for(i=0; i<3; i++) {
    a[i] = function() {
      return i;
                                                          2 /2 ml +2 85 ~
    };
  return a;
>funcs=f2()
[function a.(anonymous function)(), function a.(anonymous fun
    function a. (anonymous function)()]
>funcs[1]()
3
```

\$ 9\$ Y\$ FF 1\$ 8CM\$ nJV\$ 94 X? t\$ K\$ J\$ C\$ F\$ 7\$ ^\$ C\$ F\$ \$\$ k! #

Bh 3 2s - 4X?1

%/%m!<%8%c

```
$3$NIT6q9q$0! "for $N@)8fJQ?ti $rfor J8$N=i4 2=$N$H$3
$m$ G@ k8 @$ 9$ 1$ PH /@ 8$ 7$ J$ $! #
function f3() {
  let a = [];
  for(let i=0; i<3; i++) {
    a[i] = function() {
         return i;
      };
  };
  return a;
```

$2 \sim NI = Mh \approx NJ K!$

```
function f3() {
  let a = [], i;
  for(i=0; i<3; i++) {
    a[i] = (function(x){
      return function() {
        return x;
    })(i);
  };
  return a;
```

%=%U%H%&%'%"3+H/ Bh 3 2sL\<x6H

J?Ln>HHf8E

Bh 2 2sL\I =,2]Bj

Bh 3 2s - 4X?1

4XX CND DAD IR ISHES S-IS / 2002 CS SISHEEF -2DJQD 27 CS SISHIM X7 L JQY LSM 9-31 - 4W JAVAS Cript SIS + SISHIX Z SNEQD -

%/%m!<%8%c

2 r@b\$H<B9T

%=%U%H%&%'%"3+H/ Bh 3 2sL\<x6H

J?Ln>HHf8E

Bh 2 2 sL\I |=,2]B;
A02 s\$N1 i=,LdB |\$N2 i=2

Bh 3 2s - 4X?t

022t\$X\$NBeF~ UQ022t\$1\$H\$MX?t gt\$N\$9\$3! <#W IVAScript \$K\$*\$1\$MX?t

%/%m!<%8%c

- Oz?t\$r<h\$kL5L>4X?t\$nMQOU\$7! "\$=\$N>1\$GM?\$ (\$i\$1\$?0z ?t\$nJV\$9L5L>4X?t\$nJV\$94X?t\$r<B9T\$7\$F\$\$\$k! #</p>
- 2>0 z?t\$K\$O! "<B9T\$5\$1\$?\$H\$-\$N1 \$N%3*T! <\$,E0\$5\$1\$k \$N\$G! "\$=\$N8eJQ?t\$NCM\$,JQ\$0\$C\$F\$b8F\$S=P\$5\$1\$?; <\$N CM\$,2>0 z?t\$KJ]; }\$5\$1\$k! #