

????????

- [bash](#) `__` `__` `__`
- [urandom](#) `__` `____` `__`

bash?? ??? ??

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1. □□□□ □□

- i□ j□□ □□ □ □ □

```
$> vi ./test.sh
#!/bin/bash

i=0
j=1

if [[ $i -lt $j ]]
then
  echo "$i□ $j □□ □□□"
fi

$> ./test.sh
0□ 1 □□ □□□
```

- i□ j□□ □ □ □ □

```

$> vi ./test.sh
#!/bin/bash

i=1
j=0

if [[ $i -gt $j ]]
then
  echo "$i $j 0 0"
fi

$> ./test.sh
1 0 0 0

```

- i j 0 0 0 0

```

$> vi ./test.sh
#!/bin/bash

i=1
j=1

if [[ $i -le $j ]]
then
  echo "$i $j 1 1"
fi

$> ./test.sh
1 1 1 1

```

- i j 0 0 0 0

```

$> vi ./test.sh
#!/bin/bash

i=1
j=1

```

```

if [[ $i -ge $j ]]
then
  echo "$i $j 00000 000"
fi

$> ./test.sh
1 1 00000 000

```

2. 0000 00

| | |
|------|-------------|
| 0000 | 0 0 |
| f | 000 0000 |
| d | 000 0000 00 |

1. 00000 00

- /tmp/test 0000

```

$> vi ./test.sh
#!/bin/bash

if [[ -f '/tmp/test' ]]
then
  echo /tmp/test 00000.
fi

$> ./test.sh
/tmp/test 00000.

```

- /tmp/test 000000

```

$> vi test.sh
./test.sh
#!/bin/bash

if [[ -d '/tmp/test' ]]
then

```

```
echo /tmp/test□□□□ □□
```

```
fi
```

```
$> ./test.sh
```

```
/tmp/test□□□□ □□
```

urandom??? ?????? ??

/dev/urandom [] [] [] []

1. [] [] / [] [] [] [] 8 [] [] []

```
$> cat test.sh
#!/bin/bash

random_char=$(cat /dev/urandom | tr -dc 'a-zA-Z0-9' | fold -w 8 | sed 1q)
echo $random_char

$> ./test.sh
Y6cJfCwk
$> ./test.sh
ie3L5AY0
$> ./test.sh
ICEgcZib
```

2. [] [] / [] / [] [] [] [] 8 [] [] []

```
$> cat test.sh
#!/bin/bash

random_char=$(base64 /dev/urandom | head -1)
char=${random_char: -8}
echo $char

$> ./test.sh
Yi9+t7Aa
$> ./test.sh
/LUAJl2a
$> ./test.sh
Tm90IGIa
```

reference

- https://zetawiki.com/wiki/Bash_%EB%9E%9C%EB%8D%A4_%ED%8C%A8%EC%8A%A4%EC%9B%8C%EB%93%9C_%EC%83%9D%EC%84%B1