

shell编程实例

```
#!/bin/sh
```

```
var="hello itheima"
```

```
echo 'data is'
```

```
echo $var
```

```
echo '$var'
```

```
exit 0
```

位置变量

```
#!/bin/sh
```

```
echo "number of vars: "$#
```

```
echo "name of shell script: "$0
```

```
echo "first var: "$1
```

```
echo "second var: "$2
```

```
echo "third var: "$3
```

```
shift
```

```
echo "first war: "$1
```

```
echo "second var: "$2
```

```
echo "third war: "$3
```

let

```
#!/bin/sh
```

```
i=1
```

```
echo "i= "$i
```

```
let i=i+2
```

```
echo "i= "$i
```

```
let "i=i+4"
```

```
echo "i= "$i
```

```
((i+=3))
```

```
echo "i= "$i
```

expr

```
#!/bin/sh
```

```
a=10
```

```
b=20
```

```
value=`expr $a + $b`
```

```
echo "value is:$value"
```

```
exit 0
```

if

```
#!/bin/sh
```

```
read filename
```

```
if [ -d $filename ];then
```

```
    ls $filename
```

```
elif [ -x $filename ];then
```

```
    echo "This is a executable file."
```

```
else
```

```
    echo "This is not a executable file"
```

```
fi
```

```
exit 0
```

select

```
#!/bin/sh
```

```
echo "What do u want to study?"
```

```
select subject in "Android" "Jave" "C++" "IOS"
```

```
do
```

```
    echo "You have selected $subject."
```

```
        break
```

```
done
```

```
exit 0
```

case

```
#!/bin/sh
```

```
echo -e "a:\c"
```

```
read a
```

```
echo -e "b:\c"
```

```
read b
```

```
echo -e "select(+ - * /):\c"
```

```
read var
```

```
case $var in
```

```
    '+') echo "a+b="`expr $a "+" $b`;;
```

```
    "-") echo "a-b="`expr $a "-" $b`;;
```

```
    "**") echo "a*b="`expr $a "*" $b`;;
```

```
    "/") echo "a/b="`expr $a "/" $b`;;
```

```
    *) echo "error"
```

```
esac
```

```
exit 0
```

for

```
for file in ~/itheima/*.bxd
```

```
do
```

```
    rm $file
```

```
    echo "$file has been deleted."
```

```
done
```

```
exit 0
```

while

```
#!/bin/sh
```

```
count=1
```

```
sum=0
```

```
while [ $count -le 100 ]
```

```
do
```

```
    sum=`expr $sum + $count`
```

```
    count=`expr $count + 1`
```

```
done
```

```
echo "sum=$sum"
```

```
exit 0
```

until

```
#!/bin/sh

#until

i=1

until [ $i -gt 3 ]

do

    echo "the number is $i."

    i=`expr $i + 1`

done

exit 0
```

函数

```
#!/bin/sh

function fun(){

    local a=10

    echo "fun:a=$a"

}

a=5

echo "main:a=$a"

fun      #函数调用

echo "main:a=$a"

exit 0
```