More Bash:
1. Conditions:
   -e file   # file exists
   -f file   # regular file exists
   -d file   # directory exists

2. Bash function:
   function function_name {
     commands
   }

   function () {
     commands
   }

3. Pass arguments to functions:
   func argument1 argument2
   Get the arguments inside the function: $0, $1, $2 ...
   Same as passing parameters from command lines

4. Get return value from the function
   return keyword
   Get return value: $?

5. Integer list: {start..end}
   e.g. for i in {1..10}

6. Multiple condition together
   ! [condition1]
   [condition1] && [condition2]
   [condition1] || [condition2]

7. The length of the string
   ${#string}

```bash
#!/bin/bash
for i in `echo $PATH | tr : ' '`
do
 for j in `ls $i`
 do
  len=${#j}
  if [ $len -eq 1 ] && [ -f "$i/$j" ]
  then
    echo "$i/$j"
  fi
 done
done
```

```bash
#!/bin/bash
function square {
 return $(($1 * $1))
}
multiply() {
 return $(($1 * $2))
}
for i in {1..15}
do
 square $i
 sq=$?
 multiply $i $(($i+1))
 echo "$sq, $?"
done
```