```
#!/bin/bash
if [ $# -ne 2 ];
then
   exit 1;
fi
gender=$1;
age=$2;
if [ $age -lt 0 ];
then
   exit 1;
fi
if [ $gender = 'man' ];
then
   if [ $age -lt 20 ];
   then
        echo 'Man:Child';
    elif [ $age -lt 60 ];
    then
       echo 'Man:Adult';
    else
       echo 'Man:Elderly';
   fi
elif [ $gender = 'woman' ];
then
   if [ $age -lt 20 ];
    then
        echo 'Woman:Child';
    elif [ $age -lt 60 ];
    then
        echo 'Woman:Adult';
    else
       echo 'Woman:Elderly';
    fi
```

```
#!/bin/bash

ls

read -p 'ファイル名を入力してください: ' file_name
read -p 'ファイルに追記する値を入力してください: ' input_val

if [ -f $file_name ];
then
    echo $input_val >> $file_name;
else
    echo 'ファイルが存在しません';
fi
```

```
#!/bin/bash
for i in `seq 1 100`;
do
   if [ $(( i % 3 )) -eq 0 ] && [ $(( i % 5 )) -eq 0 ];
   then
       echo $i FizzBuzz
   elif [ $(( i % 3 )) -eq 0 ];
   then
      echo $i Fizz
   elif [ $(( i % 5 )) -eq 0 ];
   then
      echo $i Buzz
   else
       echo $i
   fi
done
```

```
#!/bin/bash
i=1
while (( $i <= 100 ));
do
    if [ $(( i % 3 )) -eq 0 ] && [ $(( i % 5 )) -eq 0 ];
    then
        echo $i FizzBuzz
elif [ $(( i % 3 )) -eq 0 ];
then
        echo $i Fizz
elif [ $(( i % 5 )) -eq 0 ];
then
        echo $i Buzz
else
        echo $i
fi
i=$(( i + 1 ))
done</pre>
```

```
#!/bin/bash
i=1
until (( $i > 100 ));
do
    if [ $(( i % 3 )) -eq 0 ] && [ $(( i % 5 )) -eq 0 ];
    then
        echo $i FizzBuzz
elif [ $(( i % 3 )) -eq 0 ];
then
        echo $i Fizz
elif [ $(( i % 5 )) -eq 0 ];
then
        echo $i Buzz
else
        echo $i
fi
i=$(( i + 1 ))
done
```

```
#!/bin/bash
read -p 'ファイル名を入力してください: 'fh
if [ -f $fh ];
then
    read -p 'sum, avg, min, max, exit' command
    if [ $command = 'sum' ];
    then
        sum=0
        while read p;
        do
           sum=\$((sum + p))
        done < $fh
        echo SUM: $sum
        exit 0
    elif [ $command = 'avg' ];
    then
        sum=0
        count=0
        while read p;
            sum=\$((sum + p))
           count=$(( count + 1 ))
        done < $fh
        echo AVG: $(( sum / count ))
        exit 0
    elif [ $command = 'min' ];
    then
        min=101
        while read p;
        do
            if [ $min -gt $p ];
            then
                min=$p
            fi
        done < $fh
        echo MIN: $min
        exit 0
    elif [ $command = 'max' ];
    then
        max=0
        while read p;
            if [ $max -lt $p ];
            then
               max=$p
            fi
        done < $fh
        echo MAX: $max
```

```
exit 0
elif [ $command = 'exit' ];
then
    exit 0
else
    echo 'そのようなコマンドは存在しません'
    exit 1
fi
else
    echo 'ファイルが存在しません'
    exit 1
fi
```

```
#!/bin/bash
function calcurate_sum(){
    sum=0
    while read p;
    do
       sum=\$((sum + p))
    done < $1
    echo SUM: $sum
    exit 0
}
function calcurate_avg(){
    sum=0
    count=0
    while read p;
    do
        sum=\$((sum + p))
        count=$(( count + 1 ))
    done < $1
    echo AVG: $(( sum / count ))
    exit 0
}
function calcurate_min(){
    min=101
    while read p;
    do
       if [ $min -gt $p ];
        then
            min=$p
       fi
    done < $1
    echo MIN: $min
    exit 0
}
function calcurate_max(){
    max=0
    while read p;
    do
        if [ $max -lt $p ];
       then
           max=$p
        fi
    done < $1
    echo MAX: $max
    exit 0
}
```

```
read -p 'ファイル名を入力してください: 'fh
if [ -f $fh ];
then
   read -p 'sum, avg, min, max, exit' command
   if [ $command = 'sum' ];
   then
       calcurate_sum $fh
   elif [ $command = 'avg' ];
   then
       calcurate_avg $fh
   elif [ $command = 'min' ];
   then
       calcurate_min $fh
   elif [ $command = 'max' ];
       calcurate_max $fh
   elif [ $command = 'exit' ];
        exit 0
    else
       echo 'そのようなコマンドは存在しません'
```

```
#!/bin/bash
select command in "list" "delete" "rename" "show" "exit"
do
    case $command in
    "list" )
         ls;;
    "delete")
         ls
         read -p "Enter file name you want to delete: " file_name
         if [ -f $file_name ];
         then
            rm $file_name
         fi;;
    "rename")
         ls
         read -p "Enter file name you want to rename: " file_name
         read -p "Enter new file name: " new_file_name
         if [ -f $file_name ];
         then
             mv $file_name $new_file_name
         fi;;
     "show")
         read -p "Enter file name you want to look: " file_name
         cat $file_name;;
     "exit")
         break;;
     esac
done
```

```
#!/bin/bash
if [ $# -ne 1 ];
then
  echo 'argument is wrong'
   exit 1
fi
function stop_exam7(){
    rm exam7.lock
    exit 0
}
if [ $1 = 'start' ];
then
   if [ -f 'exam7.lock' ];
   then
        echo 'Process is already running'
        exit 0
    else
        echo $$ > exam7.lock
        trap "stop_exam7" 2 15
        for i in `seq 1 1000`;
            echo $i >> output_$$.txt
            sleep 1
        done
        rm exam7.lock
        exit 0
    fi
elif [ $1 = 'stop' ];
then
   if [ -f 'exam7.lock' ];
    then
        PID=-1
        while read p;
        do
           PID=$p
        done < 'exam7.lock'</pre>
        kill -15 $PID
        echo 'process is not running'
        exit 0
    fi
elif [ $1 = 'status' ];
    if [ -f 'exam7.lock' ];
    then
        PID=-1
        while read p;
```

```
do
    PID=$p
    done < 'exam7.lock'
    echo Process is running pid=$PID
    else
        echo 'Process is not running'
    fi
else
    echo 'wrong argument'
    exit 1
fi</pre>
```