2.2.1 源代码

```
{
  "permissions": {
    "openapi": [
      "customerServiceMessage.send"
    ]
  }
}
const cloud = require('wx-server-sdk')

cloud.init({
  env: cloud.DYNAMIC_CURRENT_ENV
})

// 云函数入口函数
exports.main = async (event, context) => {
  console.log(event)

  const { OPENID } = cloud.getWXContext()

  const result = await cloud.openapi.customerServiceMessage.send({
    touser: OPENID,
    msgtype: 'text',
    text: {
      content: `收到：${event.Content}`,
    }
  })

  console.log(result)

  return result
}
{
  "name": "callback",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
```

```json
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "",
  "license": "ISC",
  "dependencies": {
    "wx-server-sdk": "~2.5.3"
  }
}
{
  "permissions": {
    "openapi": []
  }
}
```

```javascript
const cloud = require('wx-server-sdk')

exports.main = async (event, context) => {
  // event.userInfo 是已废弃的保留字段，在此不做展示
  // 获取 OPENID 等微信上下文请使用 cloud.getWXContext()
  delete event.userInfo
  return event
}
```

```json
{
  "name": "echo",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "",
  "license": "ISC",
  "dependencies": {
    "wx-server-sdk": "~2.5.3"
  }
}
{
```

```
  "permissions": {
    "openapi": []
  }
}
```

单选功能：

```
<view class="tip">当前第{{current}}题/共{{total}}题,总分{{score}}</view>
<progress class="pro" percent="{{Percent}}" show-info="true" border-
radius="20" stroke-width="20"></progress>
<view>题目: {{subject.title}}</view>
<radio-group bindchange="radioChange">
  <view wx:for="{{subject.options}}" class="item">
    <view>
    <radio value="{{item.code}}" checked="{{isSelect}}" />
    <text>{{item.code}}:{{item.option}}</text>
  </view>
  </view>


</radio-group>
<button type="primary" bindtap="submit">提交答题</button>
<view wx:if="{{Percent==100}}">
   <view class="end">您共打错了{{WrongNum}}道题目</view>
   <view wx:if="{{WrongNum>=1}}">
    <button type="primary" bindtap="Wrongs">点击查看</button>
  </view>
</view>


.tip{
  text-align: center;
  color:red;
 margin-left: 15px;
  margin-bottom: 15px;
  margin-top: 15px;
  margin-right: 15px;
  font-size: 42rpx;
  font-style: none;
  font-variant: none;
  background-attachment: fixed;
  background-color: transparent;
```

```css
    background-position: center;
    background-repeat: no-repeat;
    border: none;
    border-right-width: 0ch;
    border-left-width: 0ch;
    border-top: 0ch;
    border-bottom: 0ch;
    border-radius: 0ch;
    outline-style:none;
    outline-style: none;
    outline-width: 0cm;
    padding-left: 0cm;
    padding-top: 0cm ;
    padding-bottom: 0cm;
    padding-right: 0cm;
    color: inherit;
    direction: inherit;
    line-height: inherit;
    text-emphasis: none;
    text-indent: inherit;
}
.item{
    margin-left: 15px;
    margin-bottom: 15px;
    margin-top: 15px;
    margin-right: 15px;
    font-style: none;
    font-variant: none;
    background-attachment: fixed;
    background-color: transparent;
    background-position: center;
    background-repeat: no-repeat;
    border: none;
    border-right-width: 0ch;
    border-left-width: 0ch;
    border-top: 0ch;
    border-bottom: 0ch;
    border-radius: 0ch;
```

```css
  outline-style:none;

  outline-style: none;

  outline-width: 0cm;

  padding-left: 0cm;

  padding-top: 0cm ;

  padding-bottom: 0cm;

  padding-right: 0cm;

  color: inherit;

  direction: inherit;

  line-height: inherit;

  text-emphasis: none;

  text-indent: inherit;
}
.pro{
  margin-left: 15px;

  margin-bottom: 15px;

  margin-top: 15px;

  margin-right: 15px;

  font-style: none;

  font-variant: none;

  background-attachment: fixed;

  background-color: transparent;

  background-position: center;

  background-repeat: no-repeat;

  border: none;

  border-right-width: 0ch;

  border-left-width: 0ch;

  border-top: 0ch;

  border-bottom: 0ch;

  border-radius: 0ch;

  outline-style:none;

  outline-style: none;

  outline-width: 0cm;

  padding-left: 0cm;

  padding-top: 0cm ;

  padding-bottom: 0cm;

  padding-right: 0cm;

  color: inherit;
```

```css
  direction: inherit;
  line-height: inherit;
  text-emphasis: none;
  text-indent: inherit;
}
.end{
  margin-left: 15px;
  margin-bottom: 15px;
  margin-top: 15px;
  margin-right: 15px;
  font-style: none;
  font-variant: none;
  text-align: center;
  color: purple;
  background-attachment: fixed;
  background-color: transparent;
  background-position: center;
  background-repeat: no-repeat;
  border: none;
  border-right-width: 0ch;
  border-left-width: 0ch;
  border-top: 0ch;
  border-bottom: 0ch;
  border-radius: 0ch;
  outline-style:none;
  outline-style: none;
  outline-width: 0cm;
  padding-left: 0cm;
  padding-top: 0cm ;
  padding-bottom: 0cm;
  padding-right: 0cm;
  color: inherit;
  direction: inherit;
  line-height: inherit;
  text-emphasis: none;
  text-indent: inherit;
}
const app=getApp()
```

```javascript
let titles = []
let wrong=[]
Page({
  //进入页面就执行
  data:{
    Percent:0,
    total:0,
    subject:null,
    current:1,
    isSelect:false,
    userselect:'',
    score:0,
    WrongNum:0,
  },
  onLoad(){
    wx.cloud.database().collection('questiosn').where({
      type:'check'
    }).get().then(res=>{
      console.log(res)
      titles=res.data
      let  subject=titles[0] //取第一个题目
      this.setData({ //渲染到页面
        subject,
        total:titles.length
      })
    })
    //console.log('success')
  },
  //用户选择事件
  radioChange(e){
    console.log(e.detail.value)
    this.setData({
      userselect:e.detail.value,
    })
  },

  submit(){
    let num=this.data.current+1 //num 题号
```

```javascript
    let userSelect=this.data.userselect //用户选项
    let score=this.data.score //当前得分
    //判断是否为空
    if(!userSelect){
      wx.showToast({
        icon:'none',
        title: '尚未作答',
      })
      return;
    }
  //更新进度
    let proportion=(num-1)/titles.length //进度
    proportion=proportion.toFixed(2)*100
    //判断是否正确
    if(userSelect==titles[this.data.current-1].answer[0]){ //回答正确
      score++
    }else{ //回答错误
      if(this.data.Percent==100){
        return
      }
      console.log('回答错误'),
      wrong.push(this.data.subject),
      this.data.WrongNum++,
      console.log('题目',wrong[this.data.WrongNum-1].title,'\n','正确答案
',wrong[this.data.WrongNum-1].answer[0])
      this.setData({
        WrongNum:wrong.length,
      })
    }
    //判断答题结束
    if(num>titles.length){
      num=titles.length
      this.setData({ //渲染成最后一题
        current:num, //更新渲染
        Percent:proportion, //进度条更新
        score:score //更新分数
    }),
      wx.showToast({
```

```javascript
          icon:'none',
          title: 'end',
      })
      //显示全部错题
      console.log("回答结束,错误统计")
      for(var i=0;i<wrong.length;i++){
       console.log('错题',i+1,'\n')
       console.log('题目',wrong[i].title,'\n','正确答案',wrong[i].answer[0])
      }
     return
      }
      let subject= titles[num-1] //取下一道题目
      //回答完一道题
      this.setData({
        userselect:'',//用户选项置空
        subject,//渲染题目
        current:num,//当前题目
        isSelect:false,
        Percent:proportion,//进度条
        score:score//更新得分
      })
    },
    //查看错题
    Wrongs(){
    console.log("showing")
    wx.setStorageSync('key', wrong),
    //app.globalData.globalwrong=wrong
  //  wx.navigateTo({
  //    //存数据,存入缓存
  //    url: '/pages/Wrongs/Wrongs?options',
  //  })
    wx.switchTab({
      url: '/pages/Wrongs/Wrongs?options',
    })
    }
})

{
```

```
  "usingComponents": {},
  "navigationBarTitleText": "single_choose"

}
```

多选功能：

```
<view class="tip">当前第{{current}}题/共{{total}}题,总分{{totalScore}}</view>
<progress class="pro" percent="{{Percent}}" show-info="true" border-
radius="20" stroke-width="20"></progress>
<view>题目: {{subject.title}}</view>
<checkbox-group bindchange="checkboxChange">
  <view wx:for="{{subject.options}}" class="item">
    <view>
    <checkbox value="{{item.code}}" checked="{{isSelect}}" />
    <text>{{item.code}}:{{item.option}}</text>
  </view>
  </view>


</checkbox-group>
<button type="primary" bindtap="submit">提交答题</button>
<view wx:if="{{Percent==100}}">
   <view class="end">您共打错了{{WrongNum}}道题目</view>
   <view wx:if="{{WrongNum>=1}}">
    <button type="primary" bindtap="Wrongs">点击查看</button>
  </view>
</view>
.tip{
  text-align: center;
  color:red;
 margin-left: 15px;
  margin-bottom: 15px;
  margin-top: 15px;
  margin-right: 15px;
  font-size: 42rpx;
  font-style: none;
  font-variant: none;
  background-attachment: fixed;
  background-color: transparent;
  background-position: center;
  background-repeat: no-repeat;
```

```css
    border: none;

    border-right-width: 0ch;

    border-left-width: 0ch;

    border-top: 0ch;

    border-bottom: 0ch;

    border-radius: 0ch;

    outline-style:none;

    outline-style: none;

    outline-width: 0cm;

    padding-left: 0cm;

    padding-top: 0cm ;

    padding-bottom: 0cm;

    padding-right: 0cm;

    color: inherit;

    direction: inherit;

    line-height: inherit;

    text-emphasis: none;

    text-indent: inherit;
}
.item{

    margin-left: 15px;

    margin-bottom: 15px;

    margin-top: 15px;

    margin-right: 15px;

    font-style: none;

    font-variant: none;

    background-attachment: fixed;

    background-color: transparent;

    background-position: center;

    background-repeat: no-repeat;

    border: none;

    border-right-width: 0ch;

    border-left-width: 0ch;

    border-top: 0ch;

    border-bottom: 0ch;

    border-radius: 0ch;

    outline-style:none;

    outline-style: none;
```

```css
    outline-width: 0cm;

    padding-left: 0cm;

    padding-top: 0cm ;

    padding-bottom: 0cm;

    padding-right: 0cm;

    color: inherit;

    direction: inherit;

    line-height: inherit;

    text-emphasis: none;

    text-indent: inherit;
}
.pro{

    margin-left: 15px;

    margin-bottom: 15px;

    margin-top: 15px;

    margin-right: 15px;

    font-style: none;

    font-variant: none;

    background-attachment: fixed;

    background-color: transparent;

    background-position: center;

    background-repeat: no-repeat;

    border: none;

    border-right-width: 0ch;

    border-left-width: 0ch;

    border-top: 0ch;

    border-bottom: 0ch;

    border-radius: 0ch;

    outline-style:none;

    outline-style: none;

    outline-width: 0cm;

    padding-left: 0cm;

    padding-top: 0cm ;

    padding-bottom: 0cm;

    padding-right: 0cm;

    color: inherit;

    direction: inherit;

    line-height: inherit;
```

```css
    text-emphasis: none;
    text-indent: inherit;
}
.end{
    margin-left: 15px;
    margin-bottom: 15px;
    margin-top: 15px;
    margin-right: 15px;
    font-style: none;
    font-variant: none;
    text-align: center;
    color: purple;
    background-attachment: fixed;
    background-color: transparent;
    background-position: center;
    background-repeat: no-repeat;
    border: none;
    border-right-width: 0ch;
    border-left-width: 0ch;
    border-top: 0ch;
    border-bottom: 0ch;
    border-radius: 0ch;
    outline-style:none;
    outline-style: none;
    outline-width: 0cm;
    padding-left: 0cm;
    padding-top: 0cm ;
    padding-bottom: 0cm;
    padding-right: 0cm;
    color: inherit;
    direction: inherit;
    line-height: inherit;
    text-emphasis: none;
    text-indent: inherit;
}
const app=getApp()
let titles = []
let wrong=[]
```

```
let totalscore=0
Page({
  //进入页面就执行
  data:{
    Percent:0,
    total:0,
    subject:null,
    current:1,
    isSelect:false,
    userselect:'',
    score:0,
    WrongNum:0,
    totalScore:0,
  },
  //
  onLoad(){
    wx.cloud.database().collection('questiosn').where({
      type:'multi'
    }).get().then(res=>{
      console.log(res)
      titles=res.data
      let  subject=titles[0] //取第一个题目
      this.setData({ //渲染到页面
        subject,
        total:titles.length
      })
    })
  },
  //用户选择事件
  checkboxChange(e){
    console.log(e.detail.value)
    this.setData({
      userselect:e.detail.value,
    })
  },

  submit(){
    let num=this.data.current+1 //num 题号
```

```javascript
    let userSelect=this.data.userselect //用户选项
    let score=0 //当前得分
    //判断是否为空
    if(!userSelect||userSelect.length<1){
      wx.showToast({
        icon:'none',
        title: '尚未作答',
      })
      return;
    }
  //更新进度
    let proportion=(num-1)/titles.length //进度
    proportion=proportion.toFixed(2)*100
    let flag=0
    //判断是否正确
    if(userSelect.length<=this.data.subject.answer.length){ //回答正确
     userSelect.forEach(item=>{
       if(this.data.subject.answer.indexOf(item)>-1&&(!flag)){
         score++
       }
       else{
         score=0
         flag=1
       }
     })
    }
    let wrong2=((userSelect.length==this.data.subject.answer.length)&&(flag))
   if(userSelect.length!=this.data.subject.answer.length||wrong2){ //回答错误
     if(this.data.Percent==100){
       return
     }
     console.log('回答错误'),
     wrong.push(this.data.subject),
     this.data.WrongNum++,
     console.log('题目',wrong[this.data.WrongNum-1].title,'\n','正确答案
',wrong[this.data.WrongNum-1].answer)
     this.setData({
       WrongNum:wrong.length,
```

```javascript
    })
  }
  totalscore+=score;
  //判断答题结束
  if(num>titles.length){
    num=titles.length
    let temp=this.data.totalScore
    temp+=score
    this.setData({ //渲染成最后一题
      current:num, //更新渲染
      Percent:proportion, //进度条更新
      score:score, //更新分数
      totalScore:this.data.totalScore+score
    }),
    totalscore=0
      wx.showToast({
        icon:'none',
        title: 'end',
    })
  //显示全部错题
  console.log("回答结束,错误统计")
  for(var i=0;i<wrong.length;i++){
    console.log('错题',i+1,'\n')
    console.log('题目',wrong[i].title,'\n','正确答案',wrong[i].answer)
  }
return
  }
  let subject= titles[num-1] //取下一道题目
  flag=0
  //回答完一道题
  let temp=this.data.totalScore
  temp+=score
  console.log(score)
  console.log(temp)
  this.setData({
    userselect:'',//用户选项置空
    subject,//渲染题目
    current:num,//当前题目
```

```
        isSelect:false,
        Percent:proportion,//进度条
        score:score,//更新得分
        totalScore:temp
      })
      totalscore=0
      score=0
    },


    //查看错题
    Wrongs(){
    console.log("showing")
    wx.setStorageSync('key', wrong),
    //app.globalData.globalwrong=wrong
  //  wx.navigateTo({
  //    //存数据,存入缓存
  //    url: '/pages/Wrongs/Wrongs?options',
  //  })
    wx.switchTab({
      url: '/pages/Wrongs/Wrongs?options',
    })
    }
})
{
  "usingComponents": {},
  "navigationBarTitleText": "multi-choose"
}
```

判断功能：

```
<view class="tip">当前第{{current}}题/共{{total}}题,总分{{totalScore}}</view>
<progress class="pro" percent="{{Percent}}" show-info="true" border-
radius="20" stroke-width="20"></progress>
<view class="type">类型{{subject.type}}</view>
<view>题目: {{subject.title}}</view>
<checkbox-group bindchange="checkboxChange">
  <view wx:for="{{subject.options}}" class="item">
    <view>
    <checkbox value="{{item.code}}" checked="{{isSelect}}" />
    <text>{{item.code}}:{{item.option}}</text>
```

```
    </view>
    </view>


</checkbox-group>
<button type="primary" bindtap="submit">提交答题</button>
<view wx:if="{{Percent==100}}">
    <view class="end">您共打错了{{WrongNum}}道题目</view>
    <view wx:if="{{WrongNum>=1}}">
    <button type="primary" bindtap="Wrongs">点击查看</button>
    </view>
</view>
.tip{
    text-align: center;
    color:red;
    margin-left: 15px;
    margin-bottom: 15px;
    margin-top: 15px;
    margin-right: 15px;
    font-style: none;
    font-variant: none;
    background-attachment: fixed;
    background-color: transparent;
    background-position: center;
    background-repeat: no-repeat;
    border: none;
    border-right-width: 0ch;
    border-left-width: 0ch;
    border-top: 0ch;
    border-bottom: 0ch;
    border-radius: 0ch;
    outline-style:none;
    outline-style: none;
    outline-width: 0cm;
    padding-left: 0cm;
    padding-top: 0cm ;
    padding-bottom: 0cm;
    padding-right: 0cm;
    color: inherit;
```

```css
    direction: inherit;

    line-height: inherit;

    text-emphasis: none;

    text-indent: inherit;

}
.item{

 margin-left: 15px;

  margin-bottom: 15px;

  margin-top: 15px;

  margin-right: 15px;

  font-style: none;

  font-variant: none;

   background-attachment: fixed;

   background-color: transparent;

   background-position: center;

   background-repeat: no-repeat;

   border: none;

   border-right-width: 0ch;

  border-left-width: 0ch;

  border-top: 0ch;

  border-bottom: 0ch;

  border-radius: 0ch;

  outline-style:none;

  outline-style: none;

  outline-width: 0cm;

  padding-left: 0cm;

  padding-top: 0cm ;

  padding-bottom: 0cm;

  padding-right: 0cm;

  color: inherit;

  direction: inherit;

  line-height: inherit;

  text-emphasis: none;

  text-indent: inherit;

}
.pro{

  margin-left: 15px;

  margin-bottom: 15px;
```

```css
  margin-top: 15px;

  margin-right: 15px;

  font-style: none;

  font-variant: none;

  background-attachment: fixed;

  background-color: transparent;

  background-position: center;

  background-repeat: no-repeat;

  border: none;

  border-right-width: 0ch;

  border-left-width: 0ch;

  border-top: 0ch;

  border-bottom: 0ch;

  border-radius: 0ch;

  outline-style:none;

  outline-style: none;

  outline-width: 0cm;

  padding-left: 0cm;

  padding-top: 0cm ;

  padding-bottom: 0cm;

  padding-right: 0cm;

  color: inherit;

  direction: inherit;

  line-height: inherit;

  text-emphasis: none;

  text-indent: inherit;
}
.end{
  margin-left: 15px;

  margin-bottom: 15px;

  margin-top: 15px;

  margin-right: 15px;

  font-style: none;

  font-variant: none;

  text-align: center;

  color: purple;

  background-attachment: fixed;

  background-color: transparent;
```

```css
    background-position: center;
    background-repeat: no-repeat;
    border: none;
    border-right-width: 0ch;
    border-left-width: 0ch;
    border-top: 0ch;
    border-bottom: 0ch;
    border-radius: 0ch;
    outline-style:none;
    outline-style: none;
    outline-width: 0cm;
    padding-left: 0cm;
    padding-top: 0cm ;
    padding-bottom: 0cm;
    padding-right: 0cm;
    color: inherit;
    direction: inherit;
    line-height: inherit;
    text-emphasis: none;
    text-indent: inherit;
}
const app=getApp()
let titles = []
let wrong=[]
let totalscore=0
Page({
  //进入页面就执行
  data:{
    Percent:0,
    total:0,
    subject:null,
    current:1,
    isSelect:false,
    userselect:'',
    score:0,
    WrongNum:0,
    totalScore:0,
  },
```

```
onLoad(){
  wx.cloud.database().collection('questiosn').aggregate().sample({
    size:20
  }).end()
  .then(res=>{
    console.log(res)
    titles=res.list
    let  subject=titles[0] //取第一个题目
    this.setData({ //渲染到页面
      subject,
      total:titles.length
    })
  })
},
//用户选择事件
checkboxChange(e){
  console.log(e.detail.value)
  this.setData({
    userselect:e.detail.value,
  })
},


submit(){
  let num=this.data.current+1 //num 题号
  let userSelect=this.data.userselect //用户选项
  let score=0 //当前得分
  //判断是否为空
  if(!userSelect||userSelect.length<1){
    wx.showToast({
      icon:'none',
      title: '尚未作答',
    })
    return;
  }
 //更新进度
  let proportion=(num-1)/titles.length //进度
  proportion=proportion.toFixed(2)*100
  let flag=0
```

```javascript
//判断是否正确
if(userSelect.length<=this.data.subject.answer.length){ //回答正确
  userSelect.forEach(item=>{
    if(this.data.subject.answer.indexOf(item)>-1&&(!flag)){
      score++
    }
    else{
      score=0
      flag=1
    }
  })
}
let wrong2=((userSelect.length==this.data.subject.answer.length)&&(flag))
if(userSelect.length!=this.data.subject.answer.length||wrong2){ //回答错误
  if(this.data.Percent==100){
    return
  }
  console.log('回答错误'),
  wrong.push(this.data.subject),
  this.data.WrongNum++,
  console.log('题目',wrong[this.data.WrongNum-1].title,'\n','正确答案
',wrong[this.data.WrongNum-1].answer)
  this.setData({
    WrongNum:wrong.length,
  })
}
totalscore+=score;
//判断答题结束
if(num>titles.length){
  num=titles.length
  let temp=this.data.totalScore
  temp+=score
  this.setData({ //渲染成最后一题
    current:num, //更新渲染
    Percent:proportion, //进度条更新
    score:score, //更新分数
    totalScore:this.data.totalScore+score
  }),
```

```
    totalscore=0
      wx.showToast({
        icon:'none',
        title: 'end',
      })
    //显示全部错题
    console.log("回答结束,错误统计")
    for(var i=0;i<wrong.length;i++){
     console.log('错题',i+1,'\n')
     console.log('题目',wrong[i].title,'\n','正确答案',wrong[i].answer)
    }
  return
    }
    let subject= titles[num-1] //取下一道题目
    flag=0
    //回答完一道题
    let temp=this.data.totalScore
    temp+=score
    console.log(score)
    console.log(temp)
    this.setData({
      userselect:'',//用户选项置空
      subject,//渲染题目
      current:num,//当前题目
      isSelect:false,
      Percent:proportion,//进度条
      score:score,//更新得分
      totalScore:temp
    })
    totalscore=0
    score=0
},

//查看错题
Wrongs(){
console.log("showing")
wx.setStorageSync('key', wrong),
//app.globalData.globalwrong=wrong
```

```
  //  wx.navigateTo({
  //    //存数据,存入缓存
  //    url: '/pages/Wrongs/Wrongs?options',
  //  })
   wx.switchTab({
     url: '/pages/Wrongs/Wrongs?options',
   })
   }
})
{
  "usingComponents": {},
  "navigationBarTitleText": "random"
}
```

随机模块：

```
<view class="tip">当前第{{current}}题/共{{total}}题,总分{{totalScore}}</view>
<progress class="pro" percent="{{Percent}}" show-info="true" border-
radius="20" stroke-width="20"></progress>
<view class="type">类型{{subject.type}}</view>
<view>题目: {{subject.title}}</view>
<checkbox-group bindchange="checkboxChange">
  <view wx:for="{{subject.options}}" class="item">
    <view>
    <checkbox value="{{item.code}}" checked="{{isSelect}}" />
    <text>{{item.code}}:{{item.option}}</text>
  </view>
  </view>


</checkbox-group>
<button type="primary" bindtap="submit">提交答题</button>
<view wx:if="{{Percent==100}}">
   <view class="end">您共打错了{{WrongNum}}道题目</view>
   <view wx:if="{{WrongNum>=1}}">
    <button type="primary" bindtap="Wrongs">点击查看</button>
  </view>
</view>
.tip{
  text-align: center;
  color:red;
  margin-left: 15px;
```

```css
    margin-bottom: 15px;
    margin-top: 15px;
    margin-right: 15px;
    font-style: none;
    font-variant: none;
    background-attachment: fixed;
    background-color: transparent;
    background-position: center;
    background-repeat: no-repeat;
    border: none;
    border-right-width: 0ch;
    border-left-width: 0ch;
    border-top: 0ch;
    border-bottom: 0ch;
    border-radius: 0ch;
    outline-style:none;
    outline-style: none;
    outline-width: 0cm;
    padding-left: 0cm;
    padding-top: 0cm ;
    padding-bottom: 0cm;
    padding-right: 0cm;
    color: inherit;
    direction: inherit;
    line-height: inherit;
    text-emphasis: none;
    text-indent: inherit;
}
.item{
    margin-left: 15px;
    margin-bottom: 15px;
    margin-top: 15px;
    margin-right: 15px;
    font-style: none;
    font-variant: none;
    background-attachment: fixed;
    background-color: transparent;
    background-position: center;
```

```css
  background-repeat: no-repeat;
  border: none;
  border-right-width: 0ch;
  border-left-width: 0ch;
  border-top: 0ch;
  border-bottom: 0ch;
  border-radius: 0ch;
  outline-style:none;
  outline-style: none;
  outline-width: 0cm;
  padding-left: 0cm;
  padding-top: 0cm ;
  padding-bottom: 0cm;
  padding-right: 0cm;
  color: inherit;
  direction: inherit;
  line-height: inherit;
  text-emphasis: none;
  text-indent: inherit;
}
.pro{
  margin-left: 15px;
  margin-bottom: 15px;
  margin-top: 15px;
  margin-right: 15px;
  font-style: none;
  font-variant: none;
  background-attachment: fixed;
  background-color: transparent;
  background-position: center;
  background-repeat: no-repeat;
  border: none;
  border-right-width: 0ch;
  border-left-width: 0ch;
  border-top: 0ch;
  border-bottom: 0ch;
  border-radius: 0ch;
  outline-style:none;
```

```css
    outline-style: none;

    outline-width: 0cm;

    padding-left: 0cm;

    padding-top: 0cm ;

    padding-bottom: 0cm;

    padding-right: 0cm;

    color: inherit;

    direction: inherit;

    line-height: inherit;

    text-emphasis: none;

    text-indent: inherit;
}
.end{

    margin-left: 15px;

    margin-bottom: 15px;

    margin-top: 15px;

    margin-right: 15px;

    font-size: 42rpx;

    font-style: none;

    font-variant: none;

    text-align: center;

    color: purple;

    background-attachment: fixed;

    background-color: transparent;

    background-position: center;

    background-repeat: no-repeat;

    border: none;

    border-right-width: 0ch;

    border-left-width: 0ch;

    border-top: 0ch;

    border-bottom: 0ch;

    border-radius: 0ch;

    outline-style:none;

    outline-style: none;

    outline-width: 0cm;

    padding-left: 0cm;

    padding-top: 0cm ;

    padding-bottom: 0cm;
```

```
  padding-right: 0cm;
  color: inherit;
  direction: inherit;
  line-height: inherit;
  text-emphasis: none;
  text-indent: inherit;
}

const app=getApp()
let titles = []
let wrong=[]
let totalscore=0
Page({
  //进入页面就执行
  data:{
    Percent:0,
    total:0,
    subject:null,
    current:1,
    isSelect:false,
    userselect:'',
    score:0,
    WrongNum:0,
    totalScore:0,
  },
   onLoad(){
    wx.cloud.database().collection('questiosn').aggregate().sample({
      size:20
    }).end()
    .then(res=>{
      console.log(res)
      titles=res.list
      let  subject=titles[0] //取第一个题目
      this.setData({ //渲染到页面
        subject,
        total:titles.length
      })
    })
```

```javascript
  },
  //用户选择事件
  checkboxChange(e){
   console.log(e.detail.value)
   this.setData({
      userselect:e.detail.value,
   })
  },


  submit(){
     let num=this.data.current+1 //num 题号
     let userSelect=this.data.userselect //用户选项
     let score=0 //当前得分
     //判断是否为空
     if(!userSelect||userSelect.length<1){
        wx.showToast({
           icon:'none',
           title: '尚未作答',
        })
        return;
     }
    //更新进度
     let proportion=(num-1)/titles.length //进度
     proportion=proportion.toFixed(2)*100
     let flag=0
     //判断是否正确
     if(userSelect.length<=this.data.subject.answer.length){ //回答正确
      userSelect.forEach(item=>{
         if(this.data.subject.answer.indexOf(item)>-1&&(!flag)){
            score++
         }
         else{
            score=0
            flag=1
         }
      })
     }
     let wrong2=((userSelect.length==this.data.subject.answer.length)&&(flag))
```

```
if(userSelect.length!=this.data.subject.answer.length||wrong2){ //回答错误
  if(this.data.Percent==100){
    return
  }
  console.log('回答错误'),
  wrong.push(this.data.subject),
  this.data.WrongNum++,
  console.log('题目',wrong[this.data.WrongNum-1].title,'\n','正确答案
',wrong[this.data.WrongNum-1].answer)
  this.setData({
    WrongNum:wrong.length,
  })
}
totalscore+=score;
//判断答题结束
if(num>titles.length){
  num=titles.length
  let temp=this.data.totalScore
  temp+=score
  this.setData({ //渲染成最后一题
    current:num, //更新渲染
    Percent:proportion, //进度条更新
    score:score, //更新分数
    totalScore:this.data.totalScore+score
  }),
  totalscore=0
  wx.showToast({
    icon:'none',
    title: 'end',
  })
  //显示全部错题
  console.log("回答结束,错误统计")
  for(var i=0;i<wrong.length;i++){
    console.log('错题',i+1,'\n')
    console.log('题目',wrong[i].title,'\n','正确答案',wrong[i].answer)
  }
  return
}
```

```javascript
    let subject= titles[num-1] //取下一道题目
    flag=0
    //回答完一道题
    let temp=this.data.totalScore
    temp+=score
    console.log(score)
    console.log(temp)
    this.setData({
      userselect:'',//用户选项置空
      subject,//渲染题目
      current:num,//当前题目
      isSelect:false,
      Percent:proportion,//进度条
      score:score,//更新得分
      totalScore:temp
    })
    totalscore=0
    score=0
  },


  //查看错题
  Wrongs(){
  console.log("showing")
  wx.setStorageSync('key', wrong),
  //app.globalData.globalwrong=wrong
// wx.navigateTo({
//    //存数据,存入缓存
//    url: '/pages/Wrongs/Wrongs?options',
// })
  wx.switchTab({
    url: '/pages/Wrongs/Wrongs?options',
  })
  }
})
{
  "usingComponents": {},
  "navigationBarTitleText": "random"
}
```

错题集：

```
<view class="tip">当前第{{current}}题/共{{total}}题</view>
<view>题目：{{subject.title}}</view>

  <view wx:for="{{subject.options}}" class="item">
    <view>
    <text class="{{item.code==subject.answer?'purple':''}}">{{item.code}}:{{item.option}}</text>
    </view>
  </view>
  <view> 正确答案是:
  <text wx:for="{{subject.answer}}">{{item}}</text>
  </view>
  <view class="dis">
    <button type="primary" bindtap="pre" size="mini">上一道错题</button>
    <button type="primary" bindtap="next" size="mini">下一道错题</button>
  </view>



.purple{
  color: purple;
background-attachment: fixed;
  background-color: transparent;
  background-position: center;
  background-repeat: no-repeat;
  border: none;
  border-right-width: 0ch;
  border-left-width: 0ch;
  border-top: 0ch;
  border-bottom: 0ch;
  border-radius: 0ch;
  outline-style:none;
  outline-style: none;
  outline-width: 0cm;
  padding-left: 0cm;
  padding-top: 0cm ;
  padding-bottom: 0cm;
  padding-right: 0cm;
```

```css
    color: inherit;
    direction: inherit;
    line-height: inherit;
    text-emphasis: none;
    text-indent: inherit;
}
.tip{
    text-align: center;
    color:red;
    margin-left: 15px;
    margin-bottom: 15px;
    margin-top: 15px;
    margin-right: 15px;
    font-size: 42rpx;
    font-style: none;
    font-variant: none;
background-attachment: fixed;
    background-color: transparent;
    background-position: center;
    background-repeat: no-repeat;
    border: none;
    border-right-width: 0ch;
    border-left-width: 0ch;
    border-top: 0ch;
    border-bottom: 0ch;
    border-radius: 0ch;
    outline-style:none;
    outline-style: none;
    outline-width: 0cm;
    padding-left: 0cm;
    padding-top: 0cm ;
    padding-bottom: 0cm;
    padding-right: 0cm;
    color: inherit;
    direction: inherit;
    line-height: inherit;
    text-emphasis: none;
    text-indent: inherit;
```

```css
}
.item{
  margin-left: 15px;
  margin-bottom: 15px;
  margin-top: 15px;
  margin-right: 15px;
  font-size: 42rpx;
  font-style: none;
  font-variant: none;
background-attachment: fixed;
  background-color: transparent;
  background-position: center;
  background-repeat: no-repeat;
  border: none;
  border-right-width: 0ch;
  border-left-width: 0ch;
  border-top: 0ch;
  border-bottom: 0ch;
  border-radius: 0ch;
  outline-style:none;
  outline-style: none;
  outline-width: 0cm;
  padding-left: 0cm;
  padding-top: 0cm ;
  padding-bottom: 0cm;
  padding-right: 0cm;
  color: inherit;
  direction: inherit;
  line-height: inherit;
  text-emphasis: none;
  text-indent: inherit;
}
.dis{
  display: flex;
  justify-content: space-between;
  margin-left: 15px;
  margin-bottom: 15px;
  margin-top: 15px;
```

```css
    margin-right: 15px;
    font-size: 42rpx;
    font-style: none;
    font-variant: none;
background-attachment: fixed;
    background-color: transparent;
    background-position: center;
    background-repeat: no-repeat;
    border: none;
    border-right-width: 0ch;
    border-left-width: 0ch;
    border-top: 0ch;
    border-bottom: 0ch;
    border-radius: 0ch;
    outline-style:none;
    outline-style: none;
    outline-width: 0cm;
    padding-left: 0cm;
    padding-top: 0cm ;
    padding-bottom: 0cm;
    padding-right: 0cm;
    color: inherit;
    direction: inherit;
    line-height: inherit;
    text-emphasis: none;
    text-indent: inherit;
}
const app=getApp()
let titles=[]
let len=0
Page({
  //从本地缓存取数据
  data:{
    total:0,
    current:1,
  },
  onLoad(){
    let  arr= wx.getStorageSync('key')
```

```javascript
    len =arr.length
    if(len>0){
      titles=arr
    }
    this.setData({
      subject:titles[0],
      total:len,
    })
    //从全局取，app.js
    //console.log('全局变量',app.globalData.globalwrong)
  },
next(){
    let num=this.data.current+1
    if(num>len){
      num=len
      wx.showToast({
        icon:'error',
        title: 'end',
      })
      return ;
    }
  this.setData({
    subject:titles[num-1],
    current:num
  })
  },
  pre(){
    let num=this.data.current-1
    if(num<1){
      num=1
      wx.showToast({
        icon:'error',
        title: 'none',
      })
      return ;
    }
  this.setData({
    subject:titles[num-1],
```

```
    current:num
  })
  }
})
{
  "usingComponents": {},
  "navigationBarTitleText": "错题集"
}
```

主界面：

```
<button type="primary" class="single" bindtap="onclick1">single-choose</button>
<button type="primary" class="multi"  bindtap="onclick2">multi-choose</button>
<button type="primary" class="check" bindtap="onclick3" >check</button>
<button type="primary" class="random" bindtap="onclick4" >random</button>
.single{
  margin-left: 15px;
  margin-bottom: 15px;
  margin-top: 15px;
  margin-right: 15px;
  font-size: 42rpx;
  font-style: none;
  font-variant: none;
  background-attachment: fixed;
  background-color: transparent;
  background-position: center;
  background-repeat: no-repeat;
  border: none;
  border-right-width: 0ch;
  border-left-width: 0ch;
  border-top: 0ch;
  border-bottom: 0ch;
  border-radius: 0ch;
  outline-style:none;
  outline-style: none;
  outline-width: 0cm;
  padding-left: 0cm;
  padding-top: 0cm ;
  padding-bottom: 0cm;
  padding-right: 0cm;
```

```css
  color: inherit;
  direction: inherit;
  line-height: inherit;
  text-emphasis: none;
  text-indent: inherit;
}
.multi{
  margin-left: 15px;
  margin-bottom: 15px;
  margin-top: 15px;
  margin-right: 15px;
  font-size: 42rpx;
  font-style: none;
  font-variant: none;
  background-attachment: fixed;
  background-color: transparent;
  background-position: center;
  background-repeat: no-repeat;
  border: none;
  border-right-width: 0ch;
  border-left-width: 0ch;
  border-top: 0ch;
  border-bottom: 0ch;
  border-radius: 0ch;
  outline-style:none;
  outline-style: none;
  outline-width: 0cm;
  padding-left: 0cm;
  padding-top: 0cm ;
  padding-bottom: 0cm;
  padding-right: 0cm;
  color: inherit;
  direction: inherit;
  line-height: inherit;
  text-emphasis: none;
  text-indent: inherit;
}
.check{
```

```css
    margin-left: 15px;

    margin-bottom: 15px;

    margin-top: 15px;

    margin-right: 15px;

    font-size: 42rpx;

    font-style: none;

    font-variant: none;

    background-attachment: fixed;

    background-color: transparent;

    background-position: center;

    background-repeat: no-repeat;

    border: none;

    border-right-width: 0ch;

    border-left-width: 0ch;

    border-top: 0ch;

    border-bottom: 0ch;

    border-radius: 0ch;

    outline-style:none;

    outline-style: none;

    outline-width: 0cm;

    padding-left: 0cm;

    padding-top: 0cm ;

    padding-bottom: 0cm;

    padding-right: 0cm;

    color: inherit;

    direction: inherit;

    line-height: inherit;

    text-emphasis: none;

    text-indent: inherit;

}
.random{

    margin-left: 15px;

    margin-bottom: 15px;

    margin-top: 15px;

    margin-right: 15px;

    font-size: 42rpx;

    font-style: none;

    font-variant: none;
```

```css
    background-attachment: fixed;

    background-color: transparent;

    background-position: center;

    background-repeat: no-repeat;

    border: none;

    border-right-width: 0ch;

    border-left-width: 0ch;

    border-top: 0ch;

    border-bottom: 0ch;

    border-radius: 0ch;

    outline-style:none;

    outline-style: none;

    outline-width: 0cm;

    padding-left: 0cm;

    padding-top: 0cm ;

    padding-bottom: 0cm;

    padding-right: 0cm;

    color: inherit;

    direction: inherit;

    line-height: inherit;

    text-emphasis: none;

    text-indent: inherit;

}
// pages/home/home.js
Page({
  data: {

  },
  onclick1(){
    wx.navigateTo({
      url: '/pages/single_choose/single_choose',
    })
  },
  onclick2(){
    wx.navigateTo({
      url: '/pages/multi_choose/multi_choose',
    })
  },
```

```
    onclick3(){
      wx.navigateTo({
        url: '/pages/check/check',
      })
    },
    onclick4(){
      wx.navigateTo({
        url: '/pages/random/random',
      })
    }
})
```

```
Page({
  data:{
    answer:'A',
    select:''
  },  //别忘加,
  //用户选择选项
  radioChange(e){
    let select= e.detail.value
    console.log("用户选择了",select) //在控制台打印内容
    this.setData({
        select: select
    })
  },
  submit() {
    console.log('正确答案是：',this.data.answer)
    console.log('用户选择了：',this.data.select)
    if(!this.data.select){
      wx.showToast({
        icon:'none',
        title: '您还为作答',
      })
    }else if(this.data.answer==this.data.select){
      wx.showToast({
        title: '回答正确',
      })
    }
    else{
      wx.showToast({
        icon:'none',
```

```
        title: '回答错误',
      })
    }
  }
})
```

```html
<view class="tip">题目：计算机 408 包含？</view>
<radio-group bindchange="radioChange" class="pro">
  <view>
    <radio value="A" />
    <text>A: 数据结构</text>
  </view>
  <view>
    <radio value="B" />
    <text>B: 数据库</text>
  </view>
  <view>
    <radio value="C" />
    <text>C: 算法设计与分析</text>
  </view>
  <view>
    <radio value="D" />
    <text>D: 计算机组成原理</text>
  </view>
</radio-group>

<button type="primary" bindtap="submit" class="end">提交答题</button>
```

```css
.tip{
  text-align: center;
  color:red;
  margin-left: 15px;
  margin-bottom: 15px;
  margin-top: 15px;
  margin-right: 15px;
  font-size: 42rpx;
  font-style: none;
  font-variant: none;
  background-attachment: fixed;
  background-color: transparent;
```

```css
    background-position: center;
    background-repeat: no-repeat;
    border: none;
    border-right-width: 0ch;
    border-left-width: 0ch;
    border-top: 0ch;
    border-bottom: 0ch;
    border-radius: 0ch;
    outline-style:none;
    outline-style: none;
    outline-width: 0cm;
    padding-left: 0cm;
    padding-top: 0cm ;
    padding-bottom: 0cm;
    padding-right: 0cm;
    color: inherit;
    direction: inherit;
    line-height: inherit;
    text-emphasis: none;
    text-indent: inherit;
}
.pro{
    margin-left: 15px;
    margin-bottom: 15px;
    margin-top: 15px;
    margin-right: 15px;
    font-size: 42rpx;
    font-style: none;
    font-variant: none;
    background-attachment: fixed;
    background-color: transparent;
    background-position: center;
    background-repeat: no-repeat;
    border: none;
    border-right-width: 0ch;
    border-left-width: 0ch;
    border-top: 0ch;
    border-bottom: 0ch;
```

```css
  border-radius: 0ch;
  outline-style:none;
  outline-style: none;
  outline-width: 0cm;
  padding-left: 0cm;
  padding-top: 0cm ;
  padding-bottom: 0cm;
  padding-right: 0cm;
  color: inherit;
  direction: inherit;
  line-height: inherit;
  text-emphasis: none;
  text-indent: inherit;
}
.end{
  margin-left: 15px;
  margin-bottom: 15px;
  margin-top: 15px;
  margin-right: 15px;
  font-size: 42rpx;
  font-style: none;
  font-variant: none;
  text-align: center;
  color: purple;
  background-attachment: fixed;
  background-color: transparent;
  background-position: center;
  background-repeat: no-repeat;
  border: none;
  border-right-width: 0ch;
  border-left-width: 0ch;
  border-top: 0ch;
  border-bottom: 0ch;
  border-radius: 0ch;
  outline-style:none;
  outline-style: none;
  outline-width: 0cm;
  padding-left: 0cm;
```

```css
    padding-top: 0cm ;

    padding-bottom: 0cm;

    padding-right: 0cm;

    color: inherit;

    direction: inherit;

    line-height: inherit;

    text-emphasis: none;

    text-indent: inherit;

}


// pages/index2/index2.js
Page({
  data: {
    ans:['A','D'],
    select:[]
  },
  //获取用户选项
    checkboxChange(e){
    //  console.log(e.detail.value)
      this.setData({
        select:e.detail.value
      })
    },


    submit(){
      this.rule2()
      //正确答案
  },


    rule1(){
      console.log('正确答案',this.data.ans)
      console.log('用户选择',this.data.select)
      //多选，错选不得分，少选得 1 分
      let arr1=this.data.ans
      let len1=arr1.length
      let arr2=this.data.select
      let len2=arr2.length
      let rightnum=0
```

```javascript
        if(len1==len2){
            arr2.forEach(item=>{
             if(arr1.indexOf(item)>-1){
                console.log(item,"是正确的选项")
                rightnum++
             }
            }
            )
        }
        if(rightnum==len1){
          console.log("回答正确")
          wx.showToast({
            title: '回答正确',
          })
        }
        else{
          console.log("回答错误")
          wx.showToast({
            icon:'none',
            title: '回答错误',
          })}
    },
    rule2(){
        //正确答案
        let arr =this.data.ans
        let len = arr.length
        //选择的答案
        let arr2=this.data.select
        let len2=arr2.length
        console.log('正确答案',arr)
        console.log('用户选择的答案',arr2)
        if(len2<=len){
          console.log('没有多选')
          let rightnum=0
          arr2.forEach(item=>{
          if(arr.indexOf(item)>-1){
              rightnum++
              console.log(item,'正确选项')
```

```
            }
        })


        if(rightnum==arr2.length){
            console.log('accept')
            if(rightnum==len){
                console.log('满分')
            }else if(rightnum<len){
                let defen=rightnum/len*100
                defen=defen.toFixed(2)
                console.log("用户得分:",defen)
            }
        }else{
            console.log('Wrong')
        }
    } else{
        console.log('Wrong')
    }
},
.purple{
    color: purple;
    margin-left: 15px;
    margin-bottom: 15px;
    margin-top: 15px;
    margin-right: 15px;
    font-size: 42rpx;
    font-style: none;
    font-variant: none;
    text-align: center;
    color: purple;
    background-attachment: fixed;
    background-color: transparent;
    background-position: center;
    background-repeat: no-repeat;
    border: none;
    border-right-width: 0ch;
    border-left-width: 0ch;
    border-top: 0ch;
```

```css
    border-bottom: 0ch;
    border-radius: 0ch;
    outline-style:none;
    outline-style: none;
    outline-width: 0cm;
    padding-left: 0cm;
    padding-top: 0cm ;
    padding-bottom: 0cm;
    padding-right: 0cm;
    color: inherit;
    direction: inherit;
    line-height: inherit;
    text-emphasis: none;
    text-indent: inherit;
}
.tip{
    text-align: center;
    color:red;
    margin-left: 15px;
    margin-bottom: 15px;
    margin-top: 15px;
    margin-right: 15px;
    font-size: 42rpx;
    font-style: none;
    font-variant: none;
    text-align: center;
    color: purple;
    background-attachment: fixed;
    background-color: transparent;
    background-position: center;
    background-repeat: no-repeat;
    border: none;
    border-right-width: 0ch;
    border-left-width: 0ch;
    border-top: 0ch;
    border-bottom: 0ch;
    border-radius: 0ch;
    outline-style:none;
```

```css
  outline-style: none;
  outline-width: 0cm;
  padding-left: 0cm;
  padding-top: 0cm ;
  padding-bottom: 0cm;
  padding-right: 0cm;
  color: inherit;
  direction: inherit;
  line-height: inherit;
  text-emphasis: none;
  text-indent: inherit;
}
.item{
  margin-left: 15px;
  margin-bottom: 15px;
  margin-top: 15px;
  margin-right: 15px;
  font-size: 42rpx;
  font-style: none;
  font-variant: none;
  text-align: center;
  color: purple;
  background-attachment: fixed;
  background-color: transparent;
  background-position: center;
  background-repeat: no-repeat;
  border: none;
  border-right-width: 0ch;
  border-left-width: 0ch;
  border-top: 0ch;
  border-bottom: 0ch;
  border-radius: 0ch;
  outline-style:none;
  outline-style: none;
  outline-width: 0cm;
  padding-left: 0cm;
  padding-top: 0cm ;
  padding-bottom: 0cm;
```

```css
    padding-right: 0cm;
    color: inherit;
    direction: inherit;
    line-height: inherit;
    text-emphasis: none;
    text-indent: inherit;
}
.dis{
    display: flex;
    justify-content: space-between;
    margin-left: 15px;
    margin-bottom: 15px;
    margin-top: 15px;
    margin-right: 15px;
    font-size: 42rpx;
    font-style: none;
    font-variant: none;
    text-align: center;
    color: purple;
    background-attachment: fixed;
    background-color: transparent;
    background-position: center;
    background-repeat: no-repeat;
    border: none;
    border-right-width: 0ch;
    border-left-width: 0ch;
    border-top: 0ch;
    border-bottom: 0ch;
    border-radius: 0ch;
    outline-style:none;
    outline-style: none;
    outline-width: 0cm;
    padding-left: 0cm;
    padding-top: 0cm ;
    padding-bottom: 0cm;
    padding-right: 0cm;
    color: inherit;
    direction: inherit;
```

```
  line-height: inherit;
  text-emphasis: none;
  text-indent: inherit;
}
<view class="tip">当前第{{current}}题/共{{total}}题</view>
<view>题目：{{subject.title}}</view>

  <view wx:for="{{subject.options}}" class="item">
    <view>
    <text class="{{item.code==subject.answer[0]?'purple':''}}">{{item.code}}:{{item
.option}}</text>
  </view>
  </view>
  <view> 正确答案是：
  <text wx:for="{{subject.answer}}">{{item}}</text>
  标注为紫色
  </view>
  <view class="dis">
    <button type="primary" bindtap="pre" size="mini">上一道错题</button>
    <button type="primary" bindtap="next" size="mini">下一道错题</button>
  </view>


const app=getApp()
const titles = [
  {
  title: '1+1 等于几',
  answer: [ 'A'],
  options: [
    {code: 'A',option: '2'},
    {code: 'B',option: '3'},
    {code: 'C',option: '4'},
    {code: 'D',option: '5'}
  ]
  },
  {
    title: '10+10 等于几',
    answer: [ 'A'],
    options: [
```

```
            {code: 'A',option: '20'},
            {code: 'B',option: '33'},
            {code: 'C',option: '40'},
            {code: 'D',option: '50'}
        ]
    },
    {
        title: '下面哪个不是漫威出品',
        answer: ['D'],
        options: [
            {code: 'A',option: '复仇者联盟'},
            {code: 'B',option: '变形金刚'},
            {code: 'C',option: '哈利波特'},
            {code: 'D',option: '三毛历险记'}
        ]
    },
]
let wrong=[]
Page({
    //进入页面就执行
    data:{
        Percent:0,
        total:0,
        subject:null,
        current:1,
        isSelect:false,
        userselect:'',
        score:0,
        WrongNum:0,
    },
    onLoad(){
    //console.log('success')
    let  subject=titles[0] //取第一个题目
    this.setData({ //渲染到页面
        subject,
        total:titles.length
    })
    },
```

```javascript
//用户选择事件
radioChange(e){
 console.log(e.detail.value)
 this.setData({
   userselect:e.detail.value,
 })
},

submit(){
   let num=this.data.current+1 //num 题号
   let userSelect=this.data.userselect //用户选项
   let score=this.data.score //当前得分
   //判断是否为空
   if(!userSelect){
     wx.showToast({
       icon:'none',
       title: '尚未作答',
     })
     return;
   }
  //更新进度
   let proportion=(num-1)/titles.length //进度
   proportion=proportion.toFixed(2)*100
   //判断是否正确
   if(userSelect==titles[this.data.current-1].answer[0]){ //回答正确
     score++
   }else{ //回答错误
    if(this.data.Percent==100){
      return
   }
   console.log('回答错误'),
   wrong.push(this.data.subject),
   this.data.WrongNum++,
   console.log('题目',wrong[this.data.WrongNum-1].title,'\n','正确答案
',wrong[this.data.WrongNum-1].answer[0])
   this.setData({
     WrongNum:wrong.length,
   })
```

```javascript
    }
    //判断答题结束
    if(num>titles.length){
      num=titles.length
      this.setData({ //渲染成最后一题
        current:num, //更新渲染
        Percent:proportion, //进度条更新
        score:score //更新分数
      }),
        wx.showToast({
          icon:'none',
          title: 'end',
        })
    //显示全部错题
    console.log("回答结束,错误统计")
    for(var i=0;i<wrong.length;i++){
     console.log('错题',i+1,'\n')
     console.log('题目',wrong[i].title,'\n','正确答案',wrong[i].answer[0])
    }
   return
    }
    let subject= titles[num-1] //取下一道题目
    //回答完一道题
    this.setData({
      userselect:'',//用户选项置空
      subject,//渲染题目
      current:num,//当前题目
      isSelect:false,
      Percent:proportion,//进度条
      score:score//更新得分
    })
  },
  //查看错题
  Wrongs(){
  console.log("showing")
  wx.setStorageSync('key', wrong),
  //app.globalData.globalwrong=wrong
  wx.navigateTo({
```

```
    //存数据,存入缓存
    url: '/pages/Wrongs/Wrongs?options',
  })
  }
})
<view class="tip">当前第{{current}}题/共{{total}}题,总分{{score}}</view>
<progress class="pro" percent="{{Percent}}" show-info="true" border-
radius="20" stroke-width="20"></progress>
<view>题目: {{subject.title}}</view>
<radio-group bindchange="radioChange">
  <view wx:for="{{subject.options}}" class="item">
    <view>
    <radio value="{{item.code}}" checked="{{isSelect}}" />
    <text>{{item.code}}:{{item.option}}</text>
  </view>
  </view>


</radio-group>
<button type="primary" bindtap="submit">提交答题</button>
<view wx:if="{{Percent==100}}">
   <view class="end">您共打错了{{WrongNum}}道题目</view>
   <view wx:if="{{WrongNum>=1}}">
    <button type="primary" bindtap="Wrongs">点击查看</button>
  </view>
</view>
.tip{
  text-align: center;
  color:red;
  margin-left: 15px;
  margin-bottom: 15px;
  margin-top: 15px;
  margin-right: 15px;
  font-size: 42rpx;
  font-style: none;
  font-variant: none;
 margin: 10px;
  text-align: center;
  color: purple;
```

```css
    background-attachment: fixed;
    background-color: transparent;
    background-position: center;
    background-repeat: no-repeat;
    border: none;
    border-right-width: 0ch;
    border-left-width: 0ch;
    border-top: 0ch;
    border-bottom: 0ch;
    border-radius: 0ch;
    outline-style:none;
    outline-style: none;
    outline-width: 0cm;
    padding-left: 0cm;
    padding-top: 0cm ;
    padding-bottom: 0cm;
    padding-right: 0cm;
    color: inherit;
    direction: inherit;
    line-height: inherit;
    text-emphasis: none;
    text-indent: inherit;
}
.item{
     margin-left: 15px;
    margin-bottom: 15px;
    margin-top: 15px;
    margin-right: 15px;
    font-size: 42rpx;
    font-style: none;
    font-variant: none;
    text-align: center;
    color: purple;
    background-attachment: fixed;
    background-color: transparent;
    background-position: center;
    background-repeat: no-repeat;
    border: none;
```

```css
  border-right-width: 0ch;
  border-left-width: 0ch;
  border-top: 0ch;
  border-bottom: 0ch;
  border-radius: 0ch;
  outline-style:none;
  outline-style: none;
  outline-width: 0cm;
  padding-left: 0cm;
  padding-top: 0cm ;
  padding-bottom: 0cm;
  padding-right: 0cm;
  color: inherit;
  direction: inherit;
  line-height: inherit;
  text-emphasis: none;
  text-indent: inherit;
}
.pro{
  margin-left: 15px;
  margin-bottom: 15px;
  margin-top: 15px;
  margin-right: 15px;
  font-size: 42rpx;
  font-style: none;
  font-variant: none;
  text-align: center;
  color: purple;
  background-attachment: fixed;
  background-color: transparent;
  background-position: center;
  background-repeat: no-repeat;
  border: none;
  border-right-width: 0ch;
  border-left-width: 0ch;
  border-top: 0ch;
  border-bottom: 0ch;
  border-radius: 0ch;
```

```css
    outline-style:none;
    outline-style: none;
    outline-width: 0cm;
    padding-left: 0cm;
    padding-top: 0cm ;
    padding-bottom: 0cm;
    padding-right: 0cm;
    color: inherit;
    direction: inherit;
    line-height: inherit;
    text-emphasis: none;
    text-indent: inherit;
}
.end{
    margin-left: 15px;
    margin-bottom: 15px;
    margin-top: 15px;
    margin-right: 15px;
    font-size: 42rpx;
    font-style: none;
    font-variant: none;
    text-align: center;
    color: purple;
    background-attachment: fixed;
    background-color: transparent;
    background-position: center;
    background-repeat: no-repeat;
    border: none;
    border-right-width: 0ch;
    border-left-width: 0ch;
    border-top: 0ch;
    border-bottom: 0ch;
    border-radius: 0ch;
    outline-style:none;
    outline-style: none;
    outline-width: 0cm;
    padding-left: 0cm;
    padding-top: 0cm ;
```

```css
  padding-bottom: 0cm;

  padding-right: 0cm;

  color: inherit;

  direction: inherit;

  line-height: inherit;

  text-emphasis: none;

  text-indent: inherit;

}
```

```javascript
const app=getApp()

let titles=[]

let len=0

Page({
  //从本地缓存取数据
  data:{
    total:0,
    current:1,
  },
  onLoad(){
    let  arr= wx.getStorageSync('key')
   len =arr.length
    if(len>0){
     titles=arr
    }
    this.setData({
     subject:titles[0],
     total:len,
   })
   //从全局取，app.js
   //console.log('全局变量',app.globalData.globalwrong)
  },
next(){
    let num=this.data.current+1
    if(num>len){
     num=len
     wx.showToast({
       icon:'error',
       title: 'end',
     })
```

```javascript
      return ;
    }
  this.setData({
    subject:titles[num-1],
    current:num
  })
  },
  pre(){
    let num=this.data.current-1
    if(num<1){
      num=1
      wx.showToast({
        icon:'error',
        title: 'none',
      })
      return ;
    }
  this.setData({
    subject:titles[num-1],
    current:num
  })
  }
})
```

```html
<view class="tip">当前第{{current}}题/共{{total}}题</view>
<view>题目：{{subject.title}}</view>

  <view wx:for="{{subject.options}}" class="item">
    <view>
    <text class="{{item.code==subject.answer[0]?'purple':''}}">{{item.code}}:{{item.option}}</text>
  </view>
  </view>
  <view> 正确答案是:
  <text wx:for="{{subject.answer}}">{{item}}</text>
  标注为紫色
  </view>
  <view class="dis">
    <button type="primary" bindtap="pre" size="mini">上一道错题</button>
```

```
    <button type="primary" bindtap="next" size="mini">下一道错题</button>
  </view>


.purple{
  margin-left: 15px;

  margin-bottom: 15px;

  margin-top: 15px;

  margin-right: 15px;

  font-size: 42rpx;

  font-style: none;

  font-variant: none;

  text-align: center;

  color: purple;

  background-attachment: fixed;

  background-color: transparent;

  background-position: center;

  background-repeat: no-repeat;

  border: none;

  border-right-width: 0ch;

  border-left-width: 0ch;

  border-top: 0ch;

  border-bottom: 0ch;

  border-radius: 0ch;

  outline-style:none;

  outline-style: none;

  outline-width: 0cm;

  padding-left: 0cm;

  padding-top: 0cm ;

  padding-bottom: 0cm;

  padding-right: 0cm;

  color: inherit;

  direction: inherit;

  line-height: inherit;

  text-emphasis: none;

  text-indent: inherit;

}
.tip{

  margin-left: 15px;
```

```css
    margin-bottom: 15px;

    margin-top: 15px;

    margin-right: 15px;

    font-size: 42rpx;

    font-style: none;

    font-variant: none;

    margin: 15rpx;

    font-size: 42rpx;

 margin: 10px;

    text-align: center;

    color: purple;

    background-attachment: fixed;

    background-color: transparent;

    background-position: center;

    background-repeat: no-repeat;

    border: none;

    border-right-width: 0ch;

    border-left-width: 0ch;

    border-top: 0ch;

    border-bottom: 0ch;

    border-radius: 0ch;

    outline-style:none;

    outline-style: none;

    outline-width: 0cm;

    padding-left: 0cm;

    padding-top: 0cm ;

    padding-bottom: 0cm;

    padding-right: 0cm;

    color: inherit;

    direction: inherit;

    line-height: inherit;

    text-emphasis: none;

    text-indent: inherit;

}
.item{

 margin-left: 15px;

    margin-bottom: 15px;

    margin-top: 15px;
```

```css
    margin-right: 15px;
    font-size: 42rpx;
    font-style: none;
    font-variant: none;
    text-align: center;
    color: purple;
    background-attachment: fixed;
    background-color: transparent;
    background-position: center;
    background-repeat: no-repeat;
    border: none;
    border-right-width: 0ch;
    border-left-width: 0ch;
    border-top: 0ch;
    border-bottom: 0ch;
    border-radius: 0ch;
    outline-style:none;
    outline-style: none;
    outline-width: 0cm;
    padding-left: 0cm;
    padding-top: 0cm ;
    padding-bottom: 0cm;
    padding-right: 0cm;
    color: inherit;
    direction: inherit;
    line-height: inherit;
    text-emphasis: none;
    text-indent: inherit;
}
.dis{
    display: flex;
    justify-content: space-between;
    margin-left: 15px;
    margin-bottom: 15px;
    margin-top: 15px;
    margin-right: 15px;
    font-size: 42rpx;
    font-style: none;
```

```css
    font-variant: none;

    text-align: center;

    color: purple;

    background-attachment: fixed;

    background-color: transparent;

    background-position: center;

    background-repeat: no-repeat;

    border: none;

    border-right-width: 0ch;

    border-left-width: 0ch;

    border-top: 0ch;

    border-bottom: 0ch;

    border-radius: 0ch;

    outline-style:none;

    outline-style: none;

    outline-width: 0cm;

    padding-left: 0cm;

    padding-top: 0cm ;

    padding-bottom: 0cm;

    padding-right: 0cm;

    color: inherit;

    direction: inherit;

    line-height: inherit;

    text-emphasis: none;

    text-indent: inherit;

}
```