```javascript
    const [joinId, setJoinId] = useState('')
    const [joinPw, setJoinPw] = useState('')
    const [pwChk, setPwChk] = useState('')
    const [joinMail, setJoinMail] = useState('')

    //메세지 출력
    const [idMsg, setIdMsg] = useState('')
    const [pwMsg, setPwMsg] = useState('')
    const [pwChkMsg, setPwChkMsg] = useState('')
    const [mailMsg, setMailMsg] = useState('')


    //유효성검사
    const testEmail = /^[A-Za-z0-9]([-_.]?[A-Za-z0-9])*@[
    const testPw = /^[A-Za-z0-9]{6,12}$/
    const testId = /^[A-Za-z0-9]{6,12}$/
```

```javascript
//email
const emailCheck = (joinMail) => {//형식에 맞을 경우, true 리턴
  return testEmail.test(joinMail);
}
const userMailCheck = (joinMail) => {
  if(emailCheck(joinMail)==false) {
    setMailMsg('이메일 형식에 맞지 않습니다.')
    return;
  }else{
    setMailMsg('이메일 형식에 적합합니다.')
  }
}

//id
const idCheck = (joinId) => {
  return testId.test(joinId);
}
const userIdCheck = (joinId) => {
  if(idCheck(joinId)===false) {
    setIdMsg('아이디 형식에 맞지 않습니다.')
    return;
  }else{
    setIdMsg('아이디 형식에 적합합니다.')
  }
}
```
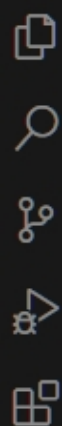
```javascript
//passwd
const pwCheck = (joinPw) => {
  return testPw.test(joinPw);
}

const userPasswordCheck = (joinPw) => {
  if(pwCheck(joinPw)==false) {
    setPwMsg('비밀번호 형식에 맞지않습니다');
    return;
  }else{
    setPwMsg('비밀번호 형식에 적합합니다');
  }
}


const pwDoubleChk = (joinPw,pwChk) =>{
  if(joinPw !== pwChk){
    setPwChkMsg('비밀번호가 다릅니다.');
    return;
  }else{
    setPwChkMsg('비밀번호가 동일합니다');
  }
}
```

```jsx
<input
  type="text"
  placeholder="아이디 입력"
  id="join_id"
  className="join_id"
  onChange={(e)=>{setJoinId(e.target.value); userIdCheck(e.target.value)}}
/>
<p>{idMsg}</p>

<input
  type="password"
  placeholder="비밀번호 입력"
  id="join_pw"
  className="join_pw"
  onChange={(e)=>{setJoinPw(e.target.value); userPasswordCheck(e.target.value)}}
/>
<p>{pwMsg}</p>

<input
  type="password"
  placeholder="비밀번호 확인"
  id="check_pw"
  className="check_pw"
  onChange={(e)=>{pwDoubleChk(joinPw,e.target.value); setPwChk(e.target.value)}}
/>
<p>{pwChkMsg}</p>

<input
  type="text"
  placeholder="이메일 주소"
  id="check_email"
  className="check_email"
  onChange={(e)=>{setJoinMail(e.target.value); userMailCheck(e.target.value)}}
/>
<p>{mailMsg}</p>
```

```jsx
<button
  type='button'
  className="joinButton"
  onClick={() => {
    let joinState = false;
    if (
      emailCheck(joinMail)===true &&
      idCheck(joinId)===true &&
      pwCheck(joinPw) === true
    ) {
      joinState = true;
    }else{

      joinState = false;

    }

    if (joinState) {
      alert('회원가입 성공');
      goLoin()
    } else {
      alert('양식을 확인하세요.');
    }
  }}>
  가입하기

</button>
```