```
root@iZbp1i5ym7nzofg8v4doviZ:~/Desktop/lab2# ./adduser.sh -l 20 -s 20 -o lucy
passwd: password expiry information changed.
Your username is lucy
Your password is (%0d(d9ad*e^ea085*5_&@(c+4%_&_*f!8^c&%70
root@iZbp1i5ym7nzofg8v4doviZ:~/Desktop/lab2#
```

- $-l$　x包含x个英文数字字符，默认长度为8
- $-s$　x包含x个特殊字符，默认长度为0
- $-o$表示是否乱序，默认为不乱序，即数字英文字符在前，特殊字符在后
- $username$

代码

```bash
#!/bin/bash

# 初始长度
let LEN=8
# 特殊字符长度
let SPEC_LEN=0
# 是否乱序
SHUF='false'

# 用户名输入
if [ $# -eq 0 ];
then
    echo "Please enter your usernmae"
    exit 1
fi

# 获取参数指令
while getopts l:s:o OPTION
do
    case "${OPTION}" in
        l)
            let LEN=${OPTARG}
            ;;
        s)
            let SPEC_LEN=${OPTARG}
            ;;
        o)
            SHUF='true'
            ;;
        ?)
            echo 'invalid option' >&2
            exit 1
            ;;
    esac
done

# 获取用户名
USER_NAME=${!#}

# 生成英文数字字符
PASS=$(date +%s%N${RANDOM}${RANDOM} | sha256sum | head -c${LEN})

let i=1
```

```
# 获取特殊字符
while [ $i -le $SPEC_LEN ]
do
    PASS=${PASS}$(echo '!@#$%^&*()_+' | fold -w1 | shuf | head -c1)
    ((i += 1))
done

# 乱序
if [ ${SHUF} = "true" ];
then
    PASS=$(echo ${PASS} | fold -w1 | shuf | tr -d '\n')
fi

# 添加用户
useradd -c "${USER_NAME}" -m "${USER_NAME}"

echo ${USER_NAME}:${PASS}|chpasswd

passwd -e ${USER_NAME}

echo "Your username is ${USER_NAME}"

echo "Your password is ${PASS}"

```