```bash
#!/bin/bash

#simple password generator

echo "Welcome to password generator"

sleep 2

# get password length from user

echo "please enter length of password:"

read PASS_LENGTH

#ask for character preference

echo  "include uppercase? (y/n)"

read INCLUDE_UPPER

echo  "include lowercase? (y/n)"

read  INCLUDE_LOWER

echo   "include digits? (y/n)"

read   INCLUDE_DIGITS

CHARSET=""

#build character set based on input

If  [[  "$INCLUDE_UPPER" == "y" ]] ; then

CHARSET+="ZXCVBNMASDFGHJKLQWERTYUIOP" ; fi


If  [[  "$INCLUDE_LOWER" == "y" ]] ; then

CHARSET+="asdfghjklzxcvbnmqwertyuiop" ; fi


If  [[  "$INCLUDE_DIGITS" == "y" ]] ; then

CHARSET+="1234567890" ; fi

#check if at least one character set is included

If [[ -z "$CHARSET" ]] ; then

Echo "error: you must select at least one character.
```

```
exit1

fi

for p in $(seq 1 5) ;

do

        openssl rand –base64 48 | cut  –c1-$PASS_LENGTH

done
```