#!/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