

MOTION CUT

PROJECT WORK

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RANDOM PASSWORD GENERATOR

PROGRAM:

```
import string
import random

#getting password length
length=int(input("enter the length of the password:"))
print("'choose the character set for setting password from these:
1.Digits
2.Letters
3.Special characters
4.Exit'")

characterlist=""

#getting character set for password
while(True):
    choice=int(input("pick a number:"))
    if choice==1:
        #adding letters to possible characters
        characterlist = characterlist + string.ascii_letters
    elif choice==2:
        #adding digits to possible characters
        characterlist = characterlist + string.digits
    elif choice==3:
        #adding special characters to possible characters
```

```

        characterlist = characterlist + string.punctuation
    elif choice==4:
        break
    else:
        print("please pick a valid option!")
password=[ ]
for i in range(length):
    #picking a random character from our characterlist
    randomchar=random.choice(characterlist)
    #appending a random character to password
    password.append(randomchar)
#printing password as a string
print("The random password is " + "".join(password))

```

OUTPUT:

CASE 1:

Enter password length: 8

Choose character set for password from these :

1. Digits
2. Letters
3. Special characters
4. Exit

Pick a number 2

Pick a number 3

Pick a number 4

The random password is)\@:2<~>

CASE 2:

Enter password length: 12

Choose character set for password from these :

1. Digits
2. Letters
3. Special characters
4. Exit

Pick a number 1

Pick a number 2

Pick a number 3

Pick a number 4

The random password is sZmB]J7O%8k(