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.punctua on
        elif choice==4:
            break
        else:
            print("please pick a valid op on!")
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(