**Random number**

**import** random  
a=random.randint(**1**,**10**)  
print(a)

**output**

**4**

**Program game to randomly select a no:**

**import** random  
j=**1  
while** j<=**3**: *# no of chances* a=random.randrange(**50**)  
 *# or  
 #a = random.randint(1,50) # randint(x,y)this module randomly returns a number in the given range  
 print(a) # to print the randon selection* x=int(input(**"Enter a number between 1-50 : "**))  
 **if** x==a:  
 print(**"CORRECT...You win the game"**)  
 **break  
 elif** x<a:  
 print(**"YOU FAILED...The number is grater"**)  
 **elif** x>a:  
 print(**"YOU FAILED... The number is smaller"**)  
 j=j+**1  
else** :  
 print(**"TRY NEXT TIME"**)

output

ramdomly selected no is 4

Enter a number between 1-50 : >? 10

YOU FAILED... The number is smaller

ramdomly selected no is 18

Enter a number between 1-50 : >? 5

YOU FAILED...The number is grater

ramdomly selected no is 4

Enter a number between 1-50 : >? 4

CORRECT...You win the game

Random password generation programme

**import** random  
**import** string  
*# pwd="abcd1234ABCD!@#$"  
# l=int(input('enter the length pf pwd : '))  
# a="".join(random.sample(pwd,l))  
# print('pwd = ',a)  
# a=random.randrange(5)  
# print(a)  
# -------------------------------------------  
# x=random.random()  
# print(x)  
#--------------------------------------------  
# y=random.uniform(2,3)  
# print(y)  
# --------------------------------------------  
# pl=('c','c++','python','java','vb.net')  
# x=random.choice(pl)  
# print(x)  
#----------------------------------------  
# l=['c','c++','python','java','vb.net']  
# x=random.shuffle(l)  
# print(pl)  
# ------------------------------------------*

**import** random  
**import** string  
length=int(input(**'Enter the length of the password'**))  
a=string.ascii\_letters  
d=string.digits  
p=string.punctuation  
char=a+d+p  
  
*# pwd="".join(random.sample(char,length))  
# print("pwd=: ", pwd)*password=**""**.join(random.sample(char,length)) *#---- join fun , sample fun*print(**"Password : "**+password)  
  
*# for i in range(length):  
# x="".join(random.choice(char))  
# print(x)*

output

Enter the length of the password>? 6

Password : i]Q6ov