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Q4) Write a Program to OTP

⇒ import math, random
def Funcotp():

x = "0123456789"

otp = ""

for i in range(4):

otp = otp + x[math.floor(random()*10)]

return otp

if __name__ == "__main__":

Print("OTP of 4 digit:", Funcotp())

Q5) Write a program to implement encryption and decryption using caesar cipher on the input plaintext = "Attack from North"

=> def Encrypt (String):

 cipher = ""

 for char in String:

 if char == ' ':

 cipher = cipher + char

 elif char.isupper():

 cipher = cipher + char((ord(char) + 3 - 65) % 26 + 65)

 else:

 cipher = cipher + char((ord(char) + 3 - 97) % 26 + 97)

 return cipher

text = "Attack from North"

Print("after Encryption:", Encrypt(text))

Decryption using caesar cipher

def decrypt (String):

 plain = ""

 for char in String:

 if char == ' ':

plain = plain + char

elif char isupper:

plain = plain + chr((ord(char) - 3 - 65) % 26 + 65)

else:

plain = plain + chr((ord(char) - 3 - 97) % 26 + 97)

return plain

text = ""

print("after decryption:", decrypt(text))

Q1) Find any 3 security aspect of the google account

Sol \Rightarrow Create a google a/c to access to many google product

- 1) \rightarrow Go to official sit google account Jos sign in
- 2) create your google a/c by filling details
- 3) create Pass for account
- 4) Account create successfully Email is Sakshamsaithan733@gmail.com

(B) changes google Password

- 1) Password should be unique
 - 2) Pass should have special characters
- \Rightarrow login google account
- \Rightarrow click security option
- \Rightarrow click on password
- \Rightarrow first write your current password
- \Rightarrow Now reset your current password and re-enter it
- \Rightarrow click on change password
- \Rightarrow Password change successfully
- Password is NUFK 269~