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Q4 → Write a program to implement OTP (One Time Password)

→ objective - To generate a OTP (8 digit) using Math.ceil

Source Code

```
⇒ import math, random
```

```
def OTP():
```

```
    s = "0 1 2 3 4 5 6 7 8 9"
```

```
    OTP = ""
```

```
    for i in range(8):
```

```
        OTP += str [math.ceil (random.random () * 10)]
```

```
    return OTP
```

```
if __name__ == "__main__":
```

```
    print ("OTP of 8 digits:", OTP())
```

fig

Q5
ans

Objective - To understand the encryption and decryption using Caesar cipher.

Encrypt

```
def encrypt(string):
```

```
    cipher = ""
```

```
    for char in string:
```

```
        if char == ' ':
```

```
            cipher = cipher + char
```

```
        elif char.isupper():
```

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

```
        else:
```

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

```
    return cipher
```

```
text = input("enter string: ")
```

```
print("original string:", text)
```

```
print("after encryption:", encrypt(text))
```

Decrypt

```
def decrypt(string):
```

```
    plain = ''
```

```
    for char in string:
```

```
        if char == ' ':
```

```
            plain = plain + char
```

```
        elif char.isupper():
```

for

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

plg:

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

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

return plain

text = input("enter cipher string:")

print("cipher string:", decrypt(text))

Ans 1: (1) Check for Account Recovery

Step 1: Log to your Google account

Step 2: Go to security option

Step 3: click on Recovery phone and Recovery Email one by one

Step 4: First you have to sign in again to your Google Account for verification

Step 5: Now you can recover your account by adding Phone number and Email one by one.

Step 6: By adding this, you can recover your account easily

Step 7: Account Recover Successfully

(2) Check for Account Recovery

Step 1: Log to your Google Account

Step 2: Go to Security option

Step 3: You have following options under Google security option.

for

1. Signing in to Google with the help of strong password and two step verification method

Adding phone number and email for recovery of account

Can also check recently security alerts.

Check devices where the account has currently signed in and in last 28 days with this option you can here find your device also

check third party apps with account access

VI. Conclusion

(3) Check out for google safety

Step 1: Log to your Google Account

Step 2: Go Help & option where you find this related to your Google account

Step 3: Following are the option come under in help
* Help with common issues like control and recovery of data.

Guiding steps for adding privacy, account protection and finding your device.

Discuss your problem related to your Google account with other people who use the same service as you

You can report your issues and get solution for that.

You can also give feedback to your Google devices.