Sakshem chadha

BCA 6B

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Q) Encryption And Decryption Using Caesar Cipher

Encryption

```
def encrypt( string, shift):
cipher = ''
for char in string :
if char == ' ':
cipher = cipher +char

elif
char.isupper():
cipher = cipher + chr((ord(char)+ shift -65) % 26+65)
else:
cipher= cipher + chr((ord(char) + shift -97) % 26+97
return cipher
text = input("enter string:")
s= int(input("Enter shift number:"))
print("original string:", text)
print("after encryption", encrypt(text, s))
```

Decryption

```
def encrypt (String, shift):
cipher = ''
for char in String:
 if char == ' ':
cipher = cipher + char
elif char.isupper():
cipher = cipher + chr((ord(char) - shift -65)%26 +65)
else
cipher = cipher + chr((ord(char) - shift -97) % 26 +97)
return cipher
```

01) Security aspects of Google Account

A google account is one basis for accessing all the google services, products and applications. Many of them are free to use, by providing a personal details we can create a google account to sign in easily any where.

→ Go to offical website of Google.
→ Click on Create account and put necessary details.
→ Create Password.

Your Account will be Created.

Security Aspect:

② Control what others see about google services.

Step 1: login To your Account
Step 2: Go to personal info.
Step 3: Click on About me.
Step 4: You have many options to take like change like DOB, Gender etc.
Step 5: Apply privacy on your personal details.
Step 6: Privacy applied Successfully.

(2) See control and delete info in your google account.

Step 1: Log in to your Account.

Step 2: Go to Dashboard

Step 3: Now, you can see some popular services like gmail, Activity data, Location history etc.

Step 4: You have more ways to control your data like Security checkup.

Step 5: Make changes to Google services

Step 6: Changes Applied Successfully.

(3) Check account Recovery.

Step 1: Log in to your Google Account

Step 2: Go to Security option.

Step 3: Go to recovery phone and email one by one.

Step 4: First you have to sign in again for verification.

Step 5: Now you can recover your account by adding phone no and email one by one.

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

Step 7: Account Recovered Successfully.

Program to Implement OTP

Source Code.

=> import Math Random

```
def OTP():
x= "0 1 2 3 4 5 6 7 8 9"
OTP= "  "
for i in Range (8):
OTP+= x [math.ceil(random.random() * 10)]
return OTP
if __name__ == "__main__":
print ("OTP of 8 Digits:", OTP())
```

Cyber Security End Sem Practical MCQ Answers.

Q1) c. Public key of Sender and Private key of Reciever

Q2) c. Spyware

Q3). C. An Authentication of an electronic Record.

Q4) C. Cyber Laws.

Q5). a) only on Alphanumeric.

Q6). Idea is same title is different.

Q7) a). Hash Value.

Q8). d. Both a and case Eight.

Q9) Both b and c.

Q10) possibility of Replacement