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Course - BCA 'A'
Semester - 6th

PBC - 601

Practical

Information Security and cyber laws

Q1 Security aspects of google account:-

(a) Create a google account to access to many google products.

i) Go to Google account and sign in
ii) Create an account
iii) Create password
iv) account create successfully.

(b) Change your Google account password
* Password should be unique
* Password should have special characters
i) log in to your google account.
ii) Click on security option
iii) Click on password
iv) Enter your current password for verification
v) Now, reset your password and then re-enter it
vi) click on change password
vii) password changed.

( ) Control what others see about you across google services:-

i) log into your google account

ii) click on personal info option

iii) Click on about me

iv) Apply privacy on your personal details

Q4

```
import math, random

def generateOTP():
    digits = "0123456789"
    OTP = ""

    for i in range(4):
        OTP += digits[math.floor(random.random() * 10)]

    return OTP
# Driver code
if __name__ == '__main__':
    print("OTP of 4 digits :", generateOTP())
```

Q5 Encryption :-

```
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 = " Attack from North"
    print("after encription: ", encrypt(text))
```

decryption :-

```
def decrypt (string):
    plain = " "
```

```
for 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))
```