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Class Roll No- 13

Subject - Information Security and Cyber Laws. (Practical Exam)

Subject Code - PBC - 601

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Q1) find any 3 security aspects of the Google account.

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

Step 1) - Go to the official site of Google account for sign in.

Step 2) - Click on Create Account and create your google account by filling necessary details.

Step 3) - Create password for your account

Step 4) - Account Created Successfully.

Email id is - monika7297@gmail.com.

(b) Change your Google Account Password

Two things to remember before changing the current password:

1. Password should be unique.
2. Password should have special characters.

Step 1) - Login to your Google Account

Step 2) - Click on Security option.

Step 3) - Now, Click on Password.

Step 4)- first you have to enter your current Password for verification.

Step 5)- Now, Reset your current password and then re-enter it.

Step 6)- click on change password.

step 7)- Password changed successfully.

The current Password is "Monik@456#". The Password contains special characters.

(c) Control what others see about you across Google services.

step 1)- login in to your Google Account.

Step 2) - click on Personal Info option.

Step 3)- Now, Inner this option click on go to About Me.

Step 4) - You have many options to change like your DOB., Gender and many more.

Step 5)- Apply privacy on your Personal Details.

step 6)- Privacy Applied Successfully.

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Ans(4) WAP to implement OTP (One time Password)

```
import math , random
    def funOTP ():
        x = "0123456789"
        OTP = ""
    for i in range (4):
OTP = OTP + x[math.floor(random.random()*10)]
    return OTP
if __name__ == "__main__":
    print ("OTP of 4 digits :", funcOTP ())
```

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Q5) WAP to implement encryption and decryption using Caeser cipher on the input plaintext - "Attack from North".

Encryption using Caeser Cipher :-

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

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Decryption using Caeser Cipher:

```
def decrypt (string):
    plain = ""
    for char in string:
        if (char == ' '):
            plain = plain + char
        elif char.isupper():
            plain plain + chr (ord - 3 - 65) % 26 + 65)
        else:
            plain = plain + chr((ord(char) - 3 - 97) % 26+97)
    return plain
```

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

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