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Date => 15 June - 2021

MCQ

1. Asymetric key encryption with sender public key
~~None of above~~

2. Spyware

3. An authentication of an electric record

4. cyber laws

5. only a alphanumeric

6. Idea is same title is different

7. Hash value

8. The identity of character is changed while its position remain unchanged.

9. both b and C

10. Posibility of replacement

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Q4) Write a program to implement OTP.

Sol:- Python

4 digit Numeric OTP

```
# import library
import math, random
# function to generate OTP
def generateOTP():
    # Declare a digits variable
    # which stores all digits
    digits = "0123456789"
    OTP = ""
    "length of password can be changed"
    "by changing value in range"
    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())
```

output

OTP of 4 digit :3211

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Q5.) Write program to implement encryption and decryption using caeser cipher on input plaintext = "Attack from north".

Sol: Encrypt using caeser cipher

```
def encrypt (string):
    cipher = ''
    for char in string:
        if char == ' ':
    cipher = cipher + char
    elif char = cipher + c
    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))
```

Decryption using caeser cipher

```
def decrypt (string):
    plain = ''
    for char in string:
```

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```
    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
txt = "                    "
print("after decryption:" decrypt(text))
```

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Q1 - Find any 3 aspects of google account

Sol :- Any google account is one basis for accessing all the google services products and applications, many of them are free to use. By providing our personal details we can create a google account to sign in easily anywhere.

→ go to official website of google.
→ click on create account & put necessary detail
→ create password.

our account is created successfully.

Security Aspects :

(1) Control what others see about google services

Step 1 : Log in to your account
Step 2 : Go to g personal info option.
step 3 : click on about me.
step 4 : you have many option to change like your Date of birth, gender, etc.
step 5 : Apply privacy on your personal details.
step 6 : Privacy Applied successfully.

(2) See control and delete the 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 like location history etc.

Step 4: You have also more ways to control your data like security check up.

Step 5: Now, make some changes to your google services.

Step 6: Changes done successfully

(3) Check for account recovery

Step 1: Log int to your google account

Step 2: Go to security option.

Step 3: Click on recovery phone & 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 recovered successfully.