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BCA 6th sem (Sec. B)
(Cyber security)

MCQ

Ans 1. (c)

Ans 2. (c)

Ans 3. (c)

Ans 4. (d)

Ans 5. (a)

Ans 6. (b)

Ans 7. (a)

Ans 8. (b)

Ans 9. (d)

Ans 10. (c)

Ans 1.

A google account is the key to accessing all of google's products and services, many of which are free. Sign in up for a google account is a quick process, but need to give out some personal information. So the main objective is to control the information for google account holder.

- Creating google acount
  - go to the official site of google acount for sign in.
  - click on create account & creat your google account by filling necessary details.
  - create Password for your account
  - Account created successfully.

Three Aspects of Google Account Security :

a) Change your google acount password.
  - log into your google account
  - click on security option
  - Now, click on Password.
  - 1st you have to enter your current password for varification.

- Now Rest your current password for varification
- click on change password.
- Password Changed successfully.

b) See control & delete the info in your google account

- Log into your google account
- go to google dashboard
- Now you can see some Popular services like Gmail, Activity, Data like delete information, Location History & so on.
- you have also more ways to control your Data like Security checkup, My Activity & so on.
- Now make some changes to your google services
- changes occured Successfully.

(c) Check google Privacy Policies.

- Log in to your Google account
- Go to google Privacy Policy & Check the Policies associated with it.
- Following are some google Privacy Policies.
  - Privacy Reminder from google.
  - Third Party sites & apps with access to your Account
  - See, control & delete the information in your google account.
  - Change your Privacy settings
  - Download your Data.
  - Make your Account more secure.
  - Use google Smart Lock.

Ans 3

```
def generateKey ( String , Key ):
    Key = list ( Key )
    if len ( string ) == len ( Key ) :
        return (Key)
    else :
        for i in range ( len ( string ) - len ( key )) :
            Key append ( Key [ i %. len ( Key )])
    return ( "" . join ( Key ))

def ciphertext ( String Key ) :
    ciphen-text = [ ]
    for i in range ( len ( String )) :
        x = ( ord ( String [i] ) + ord ( Key [i] )) %. 26
        x + = ord ('A')
        ciphen - text . append ( chr ( x ))
    return ( "" . join ( ciphen - text ))

def original text ( ciphen_text , Key )
    orig - txt = []
    for i in range ( len ( ciphen - text )) :
        x = ( ord ( ciphen - text [i] ) - ord ( Key [i] ) + 26 ) %. 26
        x + = ord ('A')
        orig-text . append ( chr ( x ))
    return ( "" . join ( orig - text ))
```

```
if __name__ == "__main__":

    string = "Cryptography"

    keyword = "Monarchy"

    Key = generateKey ( string , keyword )
    ciphertext = ciphertext ( string , Key )
    print ( "Ciphertext :" , cipher-text )

    print ("original Decrypted text :" , original text
                ( cipher-text , Key ))
```

Ans 4

```
import math.

def generate_otp():
    string x = '0123456789'
    otp = " "
    for i in range (6)
        otp = otp + x [ math. floor (random ()*10)]
    return otp

if __name__ == " __main__ ":
    printf (" Your One time Password is ", generate-otp ())
```