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1121092(12)

Ans-1 (c) Public key of sender and private key of receiver.

Ans-2 (c) Spyware

Ans-3 (c) An authentication of an electronic record.

Ans-4 (d) None.

Ans-5 (a) only on alphanumeric

Ans-6 (b) Ideas is same, content is different

Ans-7 (a) hash value

Ans-8 (b) The identity of the character is changed while its position remains unchanged.

Ans-9 (d) both b and c. (to make even no. of letters, to make digraph)

Ans-10 c. Possibility of replacement.

①

Nikhil Thapa - 1121092 (12) BCA (B).

Ans-1

3 security aspects of the Google account.

Create a google account to access to many Google products.

Step 1: Go to 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.

C1) Change your Google Account 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.

(2)
Step 5: Now, Reset your current password and then we-enter it.

Step 6: Click on change password.

Step 7: Password change Successfully.

2) Check Google privacy policies.

Step 1: Log in to your Google Account.

Step 2: Go to Google privacy Policies & check the policies associated with it.

Step 3: Google privacy policies

a. Privacy Remainder.

b. Third-party sites & apps with access to your Account.

c. See, control & delete the & information.

d. Change privacy settings.

e. Download your data.

f. Make your account more secure.

g. Use google smart lock.

3) checks for Account Security.

Step 1: log in to your google Account.

Step 2: Go to Help option.

Step 3: following options come under help.

- a) Help with common issues (control and recover data) .
- b) Guiding steps for adding privacy, account protection & finding your device.
- c) Discuss your problem related to your google account.
- d) you can report your issues & get solution for that
- e) you can also give feedback.

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BCA (B).

①

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):

cipher_text = []

for i in range(len(string)):

x = (ord(string[i]) + ord(key[i])) % 26

x += ord('A')

cipher_text.append(chr(x))

return("".join(cipher_text))

(2)

```
def originaltext (cipher-text, key)
```

```
    orig-text = []
```

```
    for i in range (len (cipher-text)):
```

```
        x = (ord (cipher-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)
```

```
    cipher-text = cipherText (string, key)
```

```
    print (" cipher-text:", cipher-text)
```

```
    print ("original / Decrypted text:", originaltext (cipher-text,
    key))
```

Q Nikhil Thapa - 1121092 (12) Sec-B.

①

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__":
```

```
    print ("your one time password is", generate_otp())
```