

Name : Sunny Solanki

Course : BCA 6C

University Rollno : 36 1121151

Subject : IT security. PBC 601

Amt. (A) Create a google account to access to many Google products.

Step 1: Go to official site for sign in.

Step 2: Click on create account

and create your google account.

Step 3: Account created.

(B) Change your google account password.

1. Open your account. You might need to sign in.

2. Under "security," select signing in to google.

3. Choose password. You might need to sign in again.

4. Enter your new password, then select change password.

(C) check Google Privacy Policies

You can take a privacy checkup and choose the setting that are

that are right for you?

Automatically delete web & app activity

Automatically delete location history

Automatically delete YouTube history

Make a plan for your account.

Review setting for face grouping

check third-party access

Review your ad settings.

### Ans Q.(a) Safe Browsing

Safe browsing protects you and your devices from dangerous sites.

Step 1. Open google chrome.

Step 2. Go to the settings

Step 3. Now, click on "Show advanced setting".

Step 4. Check "Protects you and your devices from dangerous sites".

### (b) Use a web service to help resolve spelling errors.

1. Open google chrome.

2. Go to the settings

3. Now, click on "Show advanced settings".

4. Now, on/off the spelling check option to resolve spelling errors.

### (c)

### 1. Open Google chrome

2. Go to the settings

3. Now, click on "Show advanced setting".

4. Now, check or use a web service to help resolve navigational errors.

Ans 4. One-time password.

```
import random
def generateOTP(length):
    str = "abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ123456789";
    n = len(str);
```

OTP = " ";

for i in range(1, length+1):

```
    OTP += str[int(random.random() * 10) % n];
```

return (OTP)

If \_\_name\_\_ == "\_\_main\_\_":

length = 6;

```
print("Your OTP is - ", generateOTP(length));
```

Ans 5. def encrypt(string, shift):

Cipher = ""

for char in string:

if char == " ":

Cipher = cipher + char

elif char.isupper():

Cipher = cipher + chr((ord(char) + shift - 65) % 26 + 65)

elif else:

Cipher = cipher + chr((ord(char) + shift - 97) % 26 + 97)

return cipher

text = input("enter string: ")

s = int(input("enter shift number: "))

print("original string: ", text)

print("after encryption: ", encrypt(text, s))

\* Decryption.

def decrypt(ciphertext, key)

result = ""

for i in range(len(ciphertext)):

char = ciphertext[i]

if (char::isupper()):

result += char((ord(char) - key - 65)  
% 26 + 65)

else

result += char((ord(char) - key - 97)  
% 26 + 97)

return result

ciphertext = "gg"

key = 2

print("Text: " + ciphertext)

print("cipher: " + decrypt(ciphertext, key))

Ans3.

```

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 encryption(string, key):
    encrypt_text = []
    for i in range(len(string)):
        x = (ord(string[i]) + ord(key[i])) %
            26
        x += ord('A')
        encrypt_text.append(chr(x))
    return ("".join(encrypt_text))

```

```

def encryption(string, key):
    encrypt_text = []
    for i in range(len(string)):
        x = (ord(string[i]) + ord(key[i])) %
            26
        x += ord('A')
        encrypt_text.append(chr(x))
    return ("".join(encrypt_text))

```

```
encrypt_text.append(chr(x))
>return (" ".join(encrypt_text))
```

```
def decryption(encrypt_text, key):
    orig_text = []
    for i in range(len(encrypt_text)):
        x = ord(encrypt_text[i]) - ord(key[i])
        x += 26 % 26
        x += ord('A')
        orig_text.append(chr(x))
    >return (" ".join(orig_text))
```

```
if __name__ == "__main__":
    string = input("Enter the message:")
    keyword = input("Enter the keyword : ")
    key = generateKey(string, keyword)
    encrypt_text = encryption(string, key)
    print("Encrypted message:", encrypt_text)
    print("Decrypted message:", decryption(encrypt_text, key))
```