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Q4

Prp # import library
import math, random

function to generate OTP

def generate OTP():

declare a digit 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()
(1*10))]

return OTP

to test code

if __name__ == "__main__":

print ("OTP of 4 digits: ", generateOTP())

```
orig_text.append(chr(x))  
return C"", join(long_text))  
if __name__ == "__main__":  
    string = "Cryptology"  
    keyword = "monarchy"  
    key = generate_key(string, keyword)  
    cipher_text = cipher_text(string, key)  
    print("Cipher text", cipher_text)  
    print("original / Decrypted text", original_text,  
          (cipher_text, key))
```

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Q3

```
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 (key)
```

```
def cipher_text (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))
```

```
def original_text (cipher_text, key):
```

```
    orig_text = []
```

```
    for i in range (len (cipher_text)):
```

```
        x = (ord (cipher_text [i]) - ord (key [i]) + 26)
```

```
        x = ord ('A')
```

its own window, and drag it back to
the main window. This is called "Dynamic
Tabs" also by default, the "New Tab" page
in chrome features a page that shows
thumbnails of your most visited web
sites, a list of your recent bookmarks
and a search bar that allows you to
search your history.

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1) Task Manager

chrome has its own Task Manager that shows you how much memory and CPU usage each tab and plug-in is using. you can open it by clicking shift-Fsc from within chrome. you can get more details by clicking the "stats for nerds" link on the Task Manager and it will open a page with a full breakdown of memory and CPU usage for each process within the browser.

2) One box for search address and typing

Instead of having separate input boxes for the search box and the address bar google has united the two in chrome. "TechRepublic" in the box and it will suggest the techrepublic.com home page as well as other recently visited Tech Republic pages.

3) Upgraded Tabs

In chrome you can drag a tab into

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

Ans 2- (C) Spyware

Ans 3- (B) A public and private key

Ans 4- (C) cyber laws

Ans 5- (A) only an alphanumeric

Ans 6- Idea is same but is different

Ans 7- (A) hash value

Ans 8- The position of the character is changed in place of

Ans 9- both b and c

Ans 10- none