

Q4) OTP

```
import math, random
```

```
def fun OTP():
```

```
    x = "0123456789"
```

```
    OTP = ""
```

```
    for i in range(4):
```

```
        OTP = OTP + x[math.floor(random.random()*10)]
```

```
    return OTP
```

```
if __name__ == "__main__":
```

```
    print("OTP of 4 digits: ", fun OTP())
```

Spant



Q5) Write a program to implement encryption and decryption using Caesar cipher on the input plain text = "Attack from North"

#

```
def encrypt (text, s):
```

```
    result = ""
```

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

```
        char = text[i]
```

```
        if (char.isupper()):
```

```
            result += chr ((ord(char) + s - 65) % 26 + 65)
```

```
        else:
```

```
            result += chr ((ord(char) + s - 97) % 26 + 97)
```

```
    return result
```

```
text = "Attack from North"
```

```
s = 3
```

```
print ("text: " + text)
```

```
print ("Shift: " + str(s))
```

```
print ("cipher: " + encrypt(text, s))
```

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```
def decrypt(text, s):
```

```
    result = ""
```

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

```
        char = text[i]
```

```
        if (char.isupper()):
```

```
            result += chr((ord(char) - s - 65)
```

```
                % 26 + 65)
```

```
        else:
```

```
            result += chr((ord(char) - s - 97) %  
                26 + 97)
```

```
    return result
```

```
text = "Attack from North"
```

```
s = 3
```

```
print("Cipher: " + decrypt(text, s))
```

```
print("Shift: " + str(s))
```

```
print("Text: " + text)
```

Spawet



Q1) Find any 3 security aspects of Google Account (10)

(A) Create a Google Account to access too many Google products.

(i) Go to official of google account for sign in

(ii) Click on Create Account and create your google account by filling necessary details.

(iii) Create Password for your account

(iv) Account created successfully.

(B) Control what others see about your access Google services.

(i) log in to your Google Account

(ii) click on Personal information option

(iii) Now, under this option click on Go To About Me

(iv) You have many options to change like your D.O.B, Gender and many more

(v) Apply privacy on your personal Details

(vi) Privacy Applied successfully.

Spand



(c) Google Privacy Policies check once

(i) Log in to your Google Account

(ii) Go to Google Privacy Policies and check the policies associated with it.

(iii) Google Privacy Policies are:

- 1) Privacy reminder from Google
- 2) Change your privacy settings
- 3) Download your Data
- 4) Make your Account more secure.

Spawet