Q3_2347126

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P3:Demonstrate Custom modules with functions 1. You like using QR code for your firm/domain, you have QR code on your product. Now you would like to generate code for your products in python using QR code. (a). Write a function "EncodeQR" which takes the name of the product(in a string) at most 5 characters with a minimum of one letter and returns back a list containing the encoded QR code. Use lambda functions wherever you find it appropriate. (b) Put the above function in a module and use another script to import the module and call the function in the script

[ ]:
```
from QR import EncodeQR
res=EncodeQR("MCA")
print("Domain Name : CMS")
print("Encoded String is : ",''.join(res))
```

```
Domain Name : CMS
Encoded String is :  1000011100000001000000010011010100000001000000101001100100000000100000010011010001000010000011000010001000000100000100
```

P4:Demonstrate use of object-oriented programming concepts You are crazy about your selected domain. Today is The Day you can write a python program on YOUR DOMAIN!!! Create a class called "Your Domain Name" which has five attributes(2 string, 3 number). Initialize the variables in the "__init_" method and write at least three more methods. With respect to your domain, you can create methods for getting Input, update the values, verify the condition, and etc,.

[ ]:
```
class CmsMedia:
    allowedFileType="png"
    def __init__(self,conType,postCount):
        self.contentType=conType
        # self.fileName=fileName
        self.postCount=postCount
    def getMediadetails(self):
        print('-'*40)
        self.postTitle=input("enter your post title ")
        self.fileName=input("enter your filename ")
        print("Post Title : ",self.postTitle,"\nFile Name : ",self.fileName)
    def fileCheck(self):
        fileext=self.fileName.split('.')
        if(fileext[1]==self.allowedFileType):
            print("file format is acceptable")
```

```
class ImageProvider(CmsMedia):
    imageProvider="cloudinary"
    AllowedFileSize="2" #2mb
    def __init__(self,apiKey):
        self.apiKey=apiKey
    def fileCheck(self,fileSize,fileType):
        super().getMediadetails()
        print("File size : ",fileSize)
        fileext=fileType.split('.')
        if(fileext[1]==super().allowedFileType and fileSize<=self.
 ↪AllowedFileSize):
            print("Your file has been uploaded to cloudinary")
media=CmsMedia("image",2)
obj=ImageProvider("asaksas9askskdksd")
obj.fileCheck("2","untitled.png")
```

```
----------------------------------------
Post Title :
File Name :
File size :  2
Your file has been uploaded to cloudinary
```