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Python Programming
Assignment

TOPIC:

Electric Bill System

SOURCE CODE:

```python
import cx_Oracle as s
con=s.connect('system/oracle')
cur=con.cursor()
#cur.execute("create table ecbill(id number(10),name varchar(25),unit number(10),dist
varchar2(25),city varchar(25),village varchar2(25),street varchar2(25),status varchar(10))")
class  Ebill:
    def
__init__(self,eb_id=None,eb_name=None,noofunit=None,district=None,city=None,village=None,street
=None,status="NO"):
        self.__id=eb_id
        self.__name=eb_name
        self.__unit=noofunit
        self.__dist=district
        self.__city=city
        self.__village=village
        self.__street=street
        self.__status=status
    def getId(self):
        return self.__id
    def getName(self):
        return self.__name
    def getUnit(self):
        return self.__unit
    def getDistrict(self):
        return self.__dist
    def getCity(self):
        return self.__city
    def getstreet(self):
        return self.__street
    def getVillage(self):
        return self.__village
    def getStatus(self):
        return self.__status
    def setName(self,name):
        self.__name=name
    def setId(self,ids):
        self.__id=ids
    def setUnit(self,unit):
        self.__unit=unit
    def setDist(self,dist):
        self.__dist=dist
    def setCity(self,city):
        self.__city=city
    def setVillage(self,village):
        self.__village=village
    def setStreet(self,street):
        self.__street=street
    def setStatus(self,status):
        self.__status=status
    def callProce(self):
```

```python
64
65    dict={"id":self.getId(),"name":self.getName(),"unit":self.getUnit(),"dict":self.getDistrict(),"
66    city":self.getCity(),"village":self.getVillage(),"street":self.getstreet(),"status":self.getSta
67    tus()}
68            cur.execute("""insert into ecbill
69    values(:id,:name,:unit,:dict,:city,:village,:street,:status)""",dict)
70            con.commit()
71    class DisplayAmount:
72        def Pay_Amount(self):
73            self.id=int(input("Enter your id for electronic bill"))
74            cur.execute("select unit from ecbill where id=:value",value=self.id)
75            self.unit1=cur.fetchall()
76            self.unit=self.unit1[0][0]
77            self.amount=0
78            if int(self.unit)<101:
79                pass
80            elif int(self.unit)>100:
81                self.amount=(self.unit-100)*5
82            return self.amount
83
84        def Status(self):
85            self.id=int(input("Enter your id for electronic bill"))
86            cur.execute("select status from ecbill where id=:value",value=self.id)
87            self.status=cur.fetchall()
88            return "{}" .format(self.status[0][0])
89
90
91    if __name__=='__main__':
92        print("..welcome for Online Electric Bill Systm!..".center(150))
93        print("First you have to Enter detail for user".center(150))
94        no=int(input("Enter no of user going to Register"))
95        c=no
96        while (c>0):
97            obj=input("Enter obj name")
98            obj=Ebill(int(input("Enter id")),input("Enter name"),int(input("Enter
99    unit")),input("Enter district"),input("Enter city"),input("Enter village"),input("Enter
100   street"),input("Enter status"))
101            obj.callProce()
102            c-=1
103        some=DisplayAmount()
104        while True:
105            print()
106            ch=input("Enter your choice Pay or\nStatus")
107            if ch=="Pay":
108                print("Your bill amount is {}".format(some.Pay_Amount()))
109                status=input("You have pay or not say YES or NO")
110                if (status=="YES"):
111                    id=int(input("Again tell your electronic bill id"))
112                    cur.execute("select status from ecbill where id=:value",value=id)
113                    data=cur.fetchall()
114                    if data[0][0]=='YES':
115                        print("You have already payed".center(150))
116                    else:
117                        cur.execute("update ecbill set status='YES' where id=:value",value=id)
118                        print("Your bill amount is updated".center(150))
119                        con.commit()
120                else:
121                    print('*'*15,'See you again',"*"*15)
122            elif ch=="Status":
123                print("status of pay bill amount is {}".format(some.Status()))
124
125
126    con.close()
127
128
```

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OUTPUT:

first.py [C:\Users\elcot\AppData\Local\Programs\Python\Python37\python.exe]

```
                                        ..welcome for Online Electric Bill Systm!..
                                        First you have to Enter detail for user

        Enter no of user going to Register1
        Enter obj nameobj
        Enter id26
        Enter namesiva
        Enter unit709
        Enter districtvillupuram
        Enter citykallai
        Enter villageanna nagar
        Enter streeteast
        Enter statusNO

        Enter your choice Pay or
        StatusStatus
        Enter your id for electronic bill26
        status of pay bill amount is NO

        Enter your choice Pay or
        StatusPar

        Enter your choice Pay or
        StatusPay
        Enter your id for electronic bill26
        Your bill amount is 3045
        You have pay or not say YES or NOYES
        Again tell your electronic bill id26
                                        Your bill amount is updated

        Enter your choice Pay or
        Status
```

130