

Task 31

```
class Cart():
    def __init__(self, products, price, quantity=1):
        self.products = products
        self.price = float(price)
        self.quantity = int(quantity)

        #total = self.price * self.quantity

    def display(self):
        print('Name Of Product :', self.products)
        print('Quantity OF Products :', self.quantity)
        print("price of products :", self.price )

    @property
    def total_price(self):
        print("total Price:", self.price * self.quantity)

a1 = Cart('rice', '50', '3')
a1.display()
a1.total_price
```

Task 32

```
class book():
    def __init__(self, title, author, year):
        self.title = title
        self.author = author
        self.year = year

    def getbookinfo(self):
        print('Title Of Book :', self.title)
        print("Author Of Book :", self.author)
        print("Year Of Book :", self.year)

Book_1 = book('The Travel Book', "Lisa Allen", "1956")
Book_2 = book('Time Travel Stories', "Richard Bullivant", "1989")

Book_1.getbookinfo()
print('.....')
Book_2.getbookinfo()
```

Task 33

```
from abc import ABC , abstractmethod
class Shape(ABC):
    @abstractmethod
    def Calculate(self):
        pass

class Circle(Shape):
    def __init__(self, radius):
        self.radius = radius
```

```

    def Calculate(self):
        print("Radius of Circle :",self.radius ** 2)

class Rectangle(Shape):
    def __init__(self,width,height):
        self.width = width
        self.height = height

    def Calculate(self):
        print("Rectangle :",self.height * self.width)

result_1 = Circle(5)
result_2 = Rectangle(4,6)

result_1.Calculate()
result_2.Calculate()

```

Task 34

```

class MathUtis():

    @staticmethod
    def calculatesum(a,b):
        print("Sum Of Numbers :",a + b )

a1 = MathUtis.calculatesum(5,6)

```

Task 35

```

from abc import ABC ,abstractmethod
class Paymentmethod(ABC):
    @abstractmethod
    def processpayment(self):
        pass

class Creditcardpayment(Paymentmethod):
    def processpayment(self):
        print('It is an Payment From Creditcard')

class PayPalPayment(Paymentmethod):
    def processpayment(self):
        print("It is an Payment from Paypalpayment")

a1 = Creditcardpayment()
a1.processpayment()

```