```
100
IPEIN
CHP 2 : POO
Exercice : 1
class point:
   def _init_(self,x=3.0, y=4.):
       #x = float(input(
       self.x = x
       self.y = y
   def afficher(self):
       \texttt{print("Point(x={}),y={})".format(self.x,self.y))}
class rectangle:
   def __init__(self, coinSupG, larg, long):
       assert type(CoinSupG) == point
       self.coinSupG = coinSupG
       self.larg = larg
       self.long = long
p1 = point() #x=3., y=4.
p1 = point(1,2)
p1 = point(1) #x=1, y=4.
p1 = point(y=1) #x=3., y=1
boite = rectangle(point(12., 27.), 50., 35.)
def trouverCentre(rect):
   assert isinstance(rect, rectangle) #etape 1
   x = rect.coinSupG.x + rect.larg / 2 #4
   y = rect.coinSupG.y - rect.haut / 2 #4
   centre = point(x,y) #3
   return centre #2
# appel à une fonction: fonction(objet)
centre = trouverCentre(boite)
# appel à une méthode : objet.methode()
centre.afficher()
boite.larg *= 2
boite.haut /= 2
```