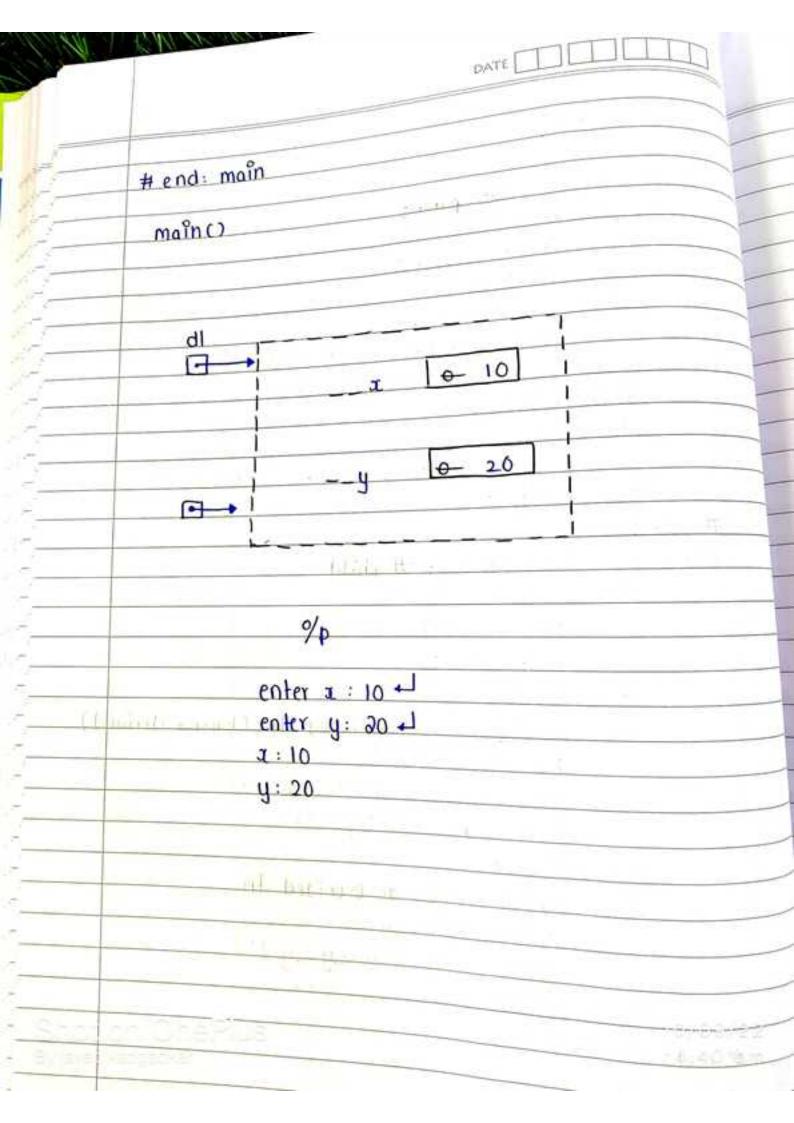
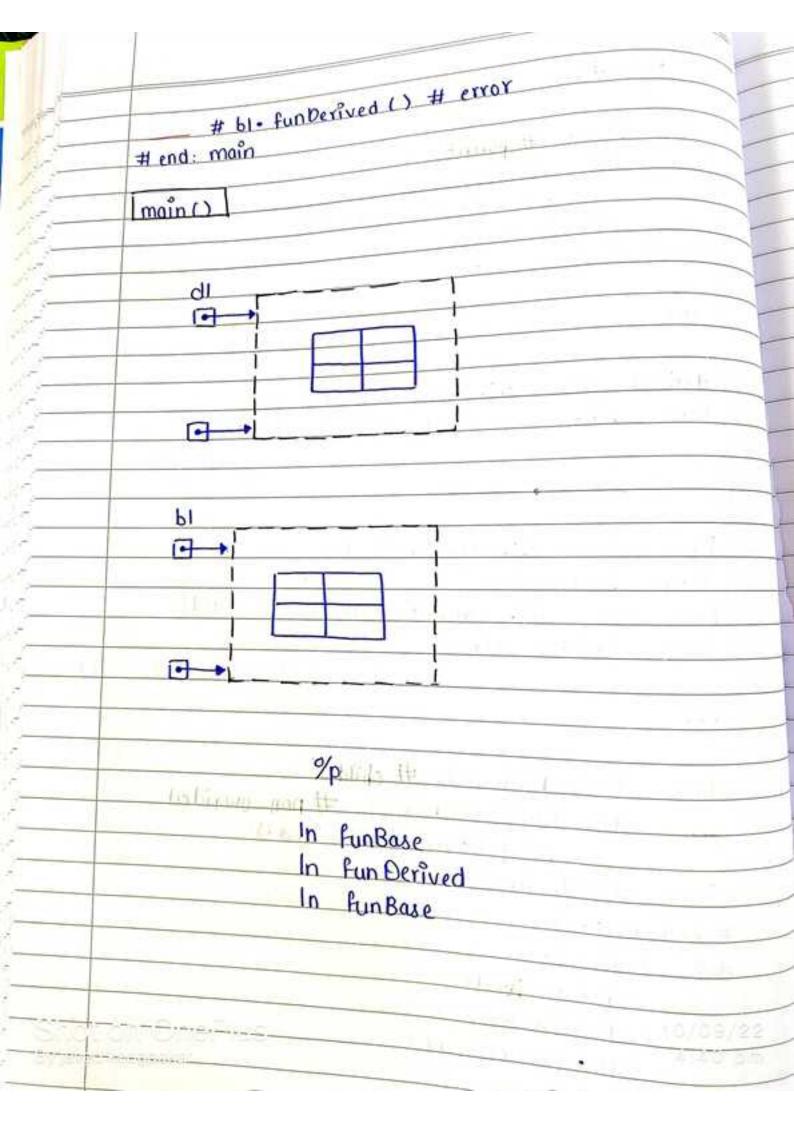
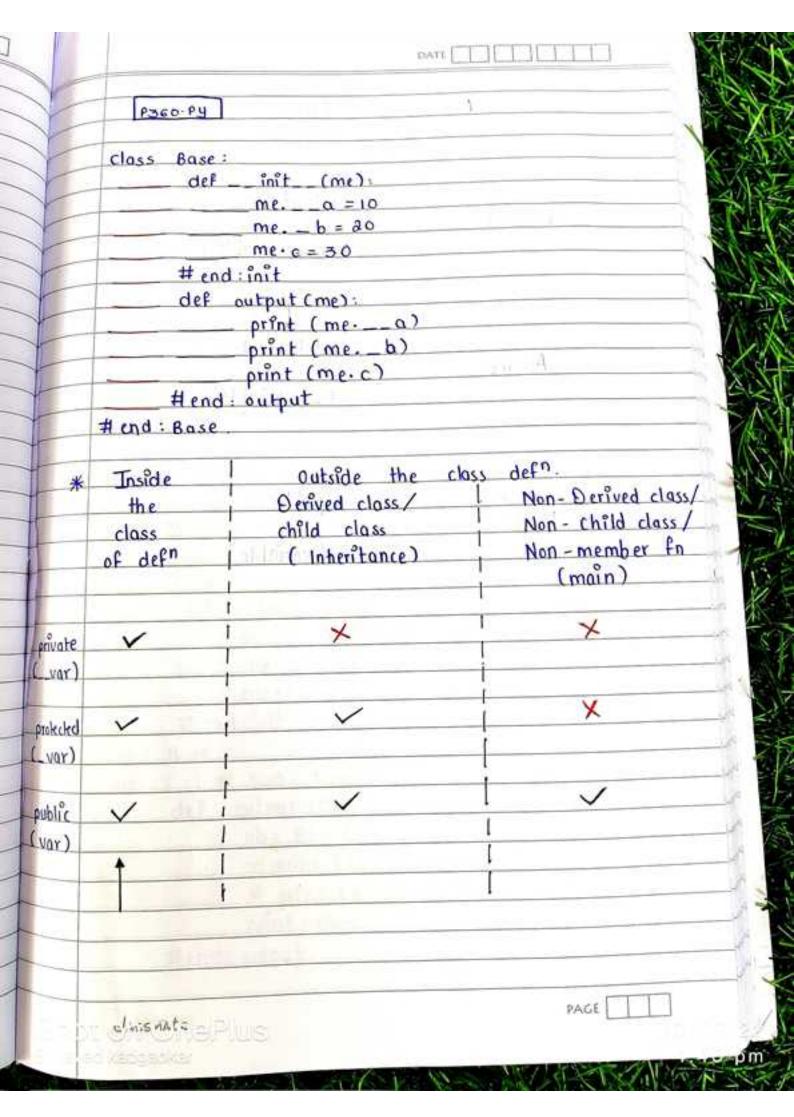
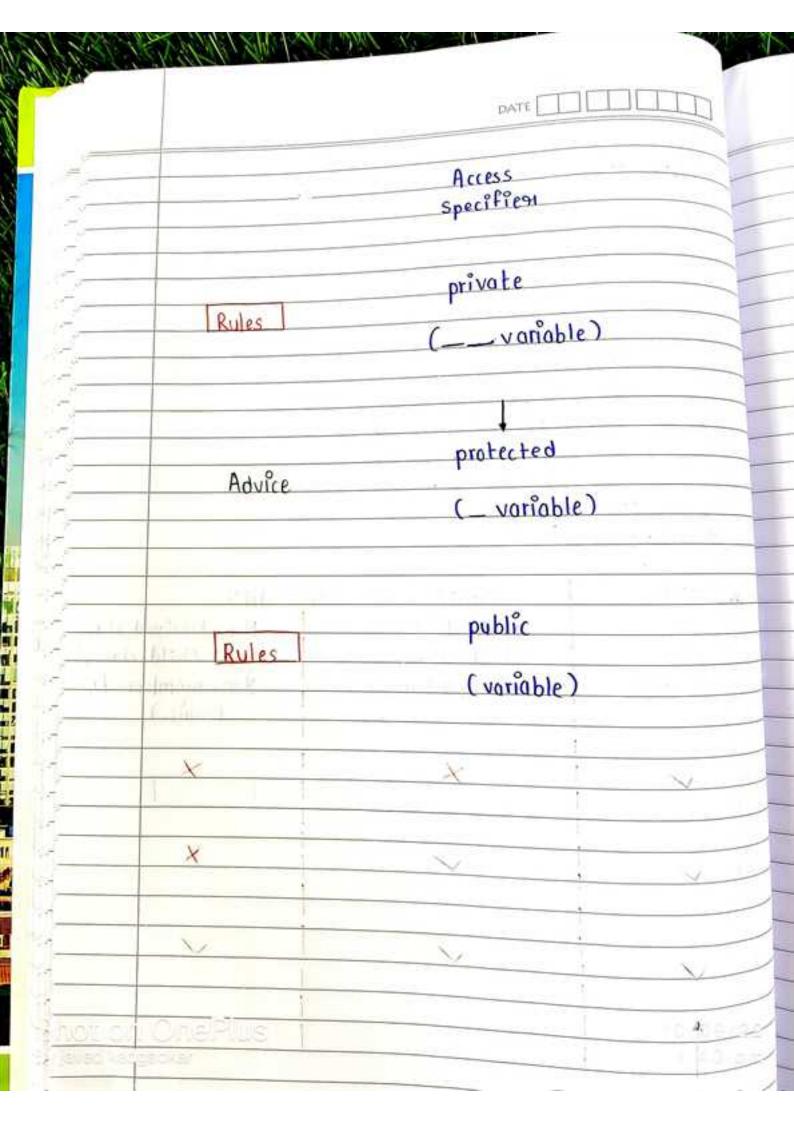
```
BATE
     P353-P4
  class Base : # parent
        def __init__ (me):
            me -_ ac = 0
       # end : init
       def input (me):
         print ('enter x: ', end = '')
          me: _ x = int (input())
       # end : input .
       def output (me):
        print (f'x: tme-_x 3')
      # end : output
 # end = Base
 class Derived (Base): # child
       def __init__ (me):
            Base -_ init_ (me)
           me: __y = 0
       # end: init
       def input (me): # overided fn: (base + derived)
            Base input (me)
            print ( 'enter y: ', end = '')
            me - y = int (input ())
      # end : input
      def output (me): # overided for
            print (f'y: [me- _y 3')
      # end: output
# end : Derived
def main ():
      de = Derived ()
      di input ()
      d1. output ()
 classmate
                                         PAGE
```

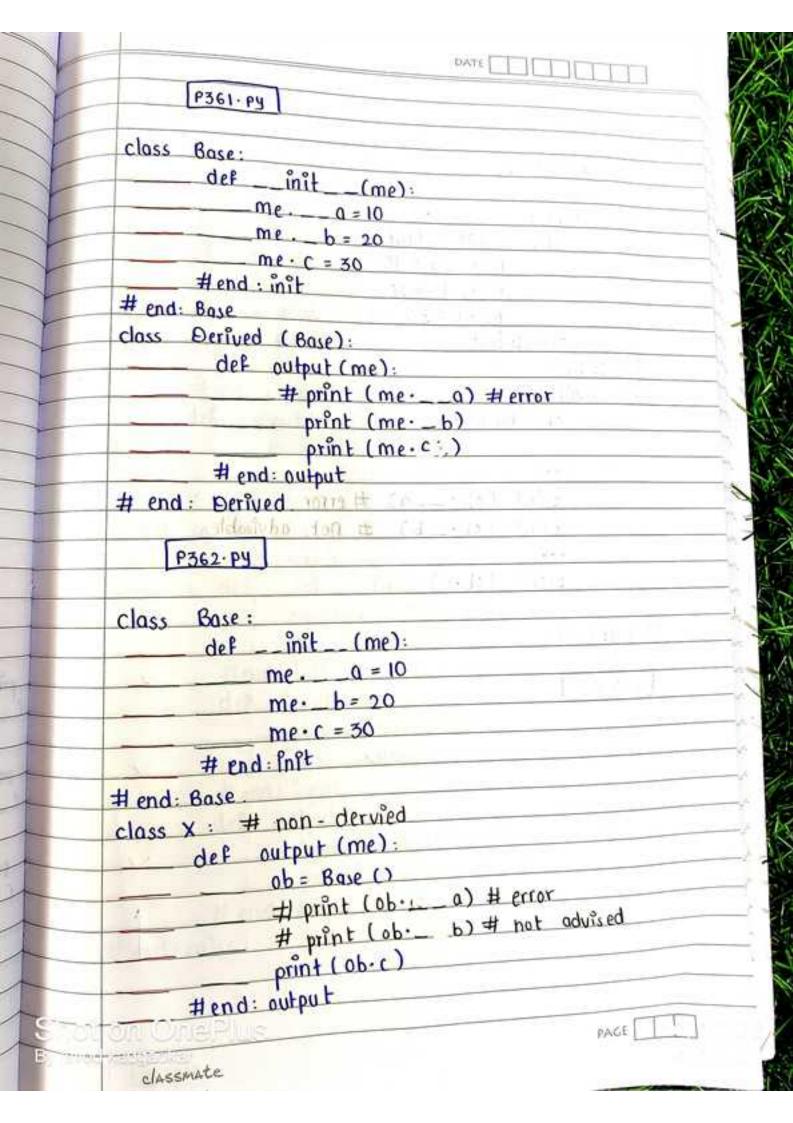


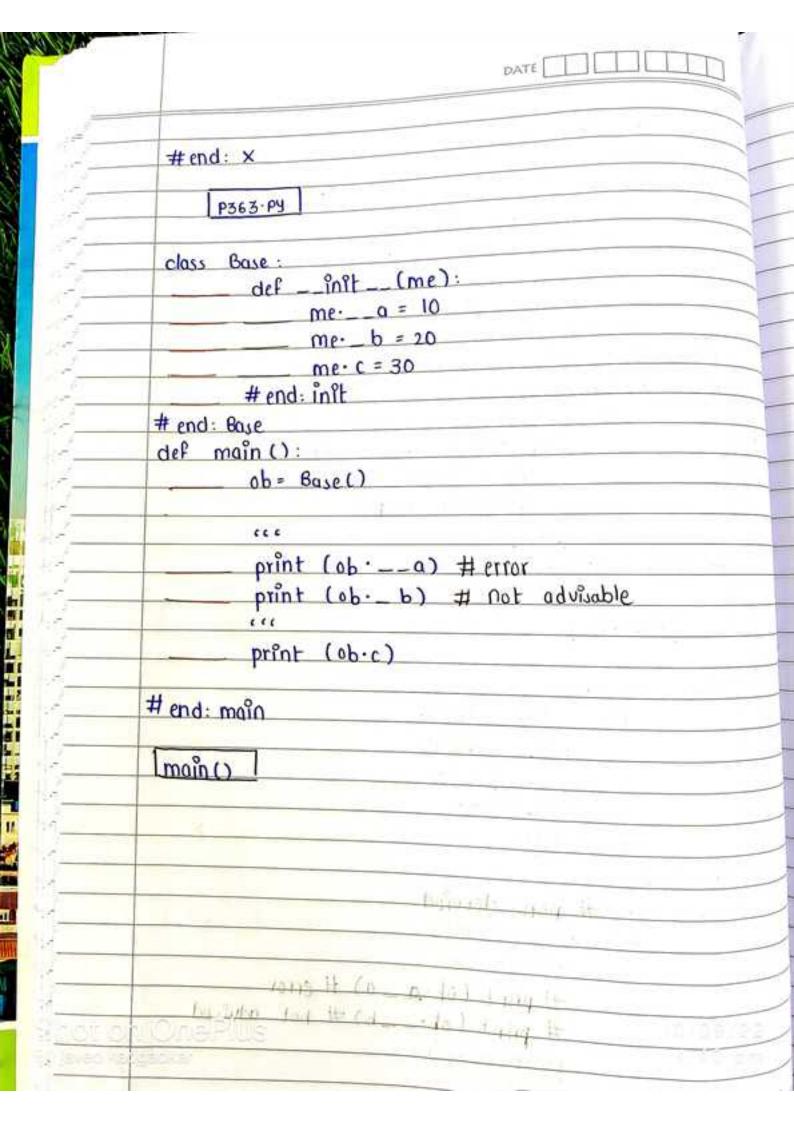
P359-P4 class Base: # parent def fun Base (me): print (In fungase') # end: fun Base # end: Base derived class obj. can call fins From base class and derived class base class obj. can call fins from base class base class obj. cannot call fins from derived class CCC class Derived (Base): # child def fun Derived (me): # non-overided print ('in fun Derived') # end: fun Deried # end: Derived def main (): d1= Derived() d1 = fun Base () dl = fun Ocrived () b1 = Base () b1 · funBace () PAGE classmate



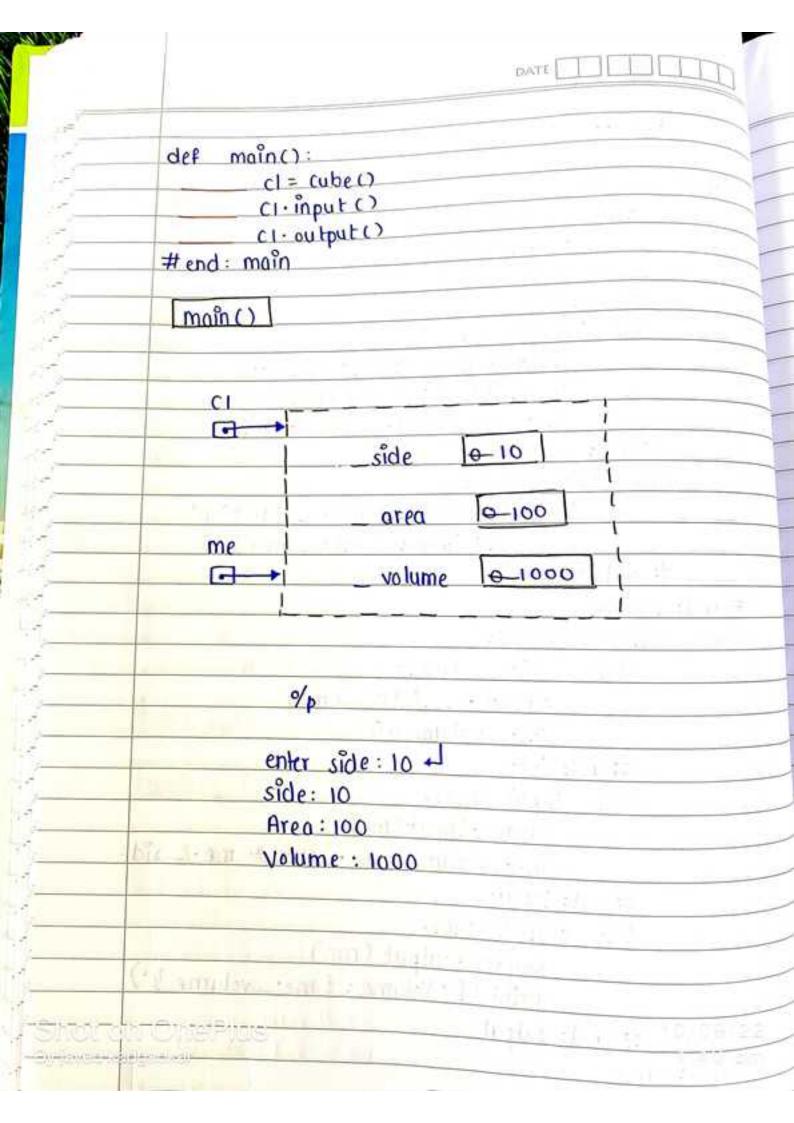






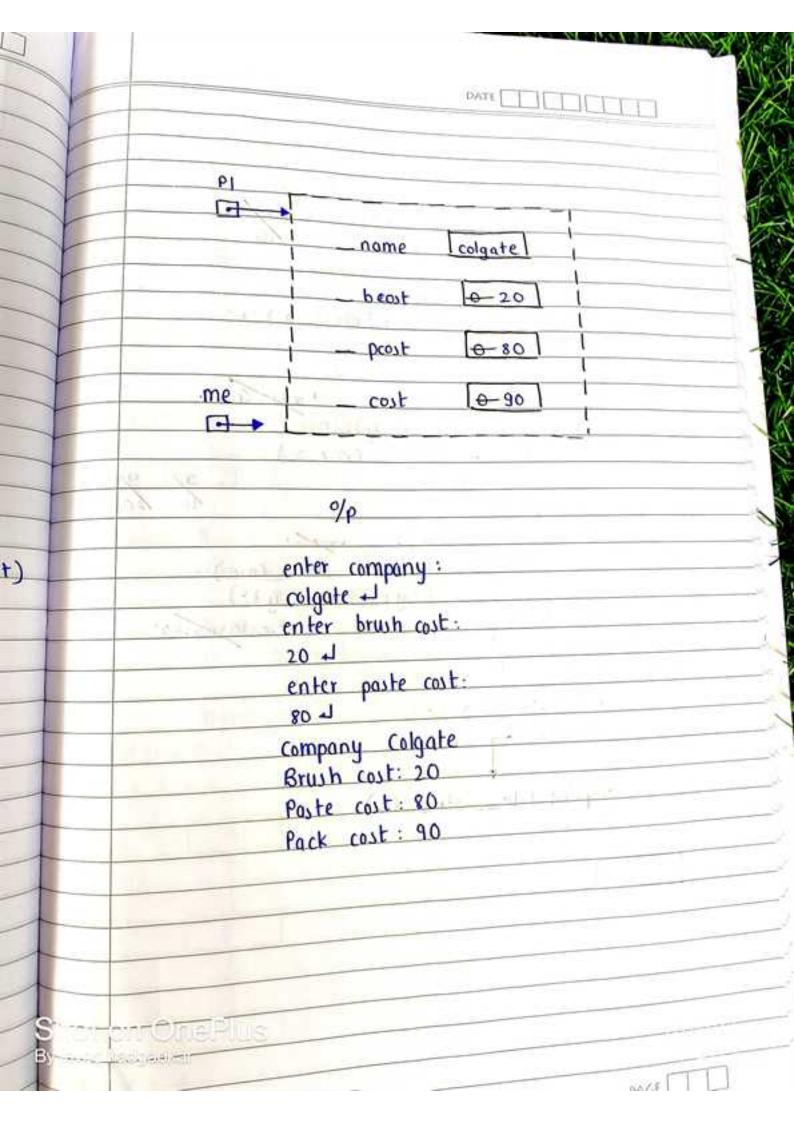


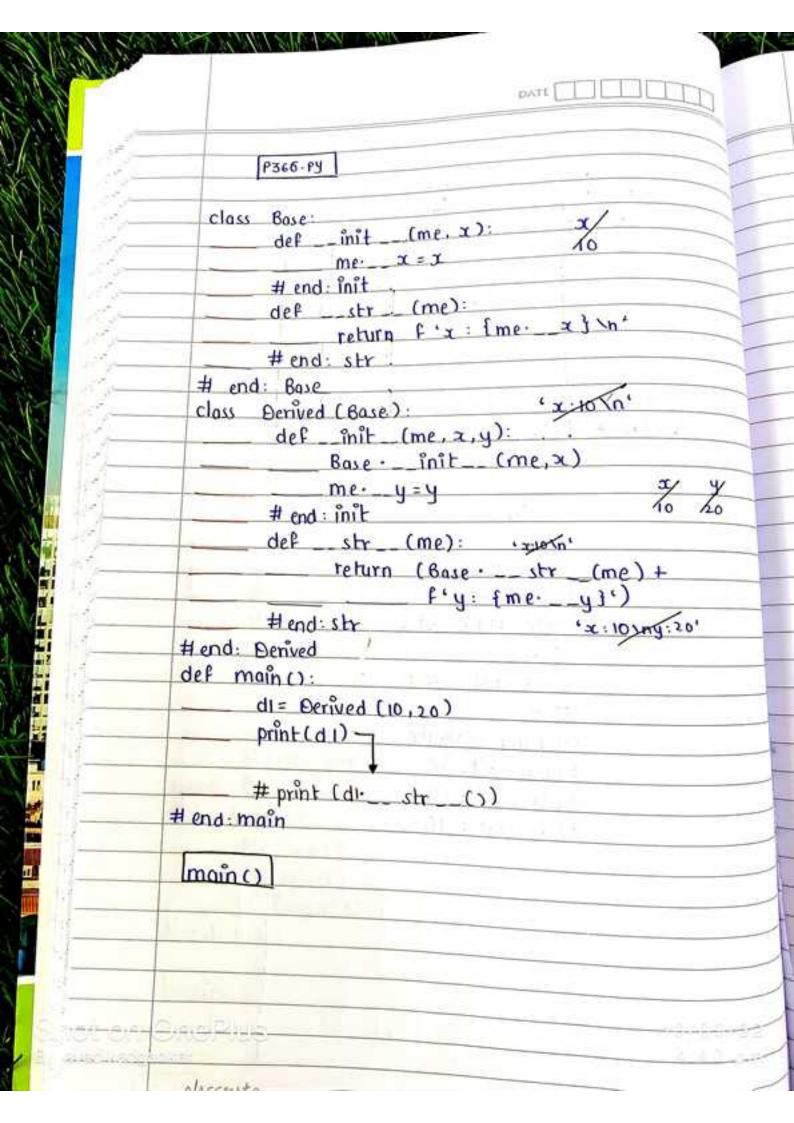
```
P364. Py
 class Square:
        def __ init __ (me):
         me. side = 0
             me · area = 0
        # end : init
        def input (me):
               print ( 'enter side : ', end = ")
             me - side = int (input ())
             me- area = me- side * * 2
       # end : input
       def output (me):
              print (f'side: { me._side}\n'
f' Area: t me._area}')
      # end: output
# end: square.
class cube (square):
          def __init__ (me):
                square · __ init__ (me)
                me - volume = 0
          #end: init
          def input (me):
                square · input (me)
                me-_valume = me ._ area * me ._ side
          # end: input
         def output (me):
                 square output (me)
                 print (f' Volume: { me-volume y')
         # end: output
# end : cube
```

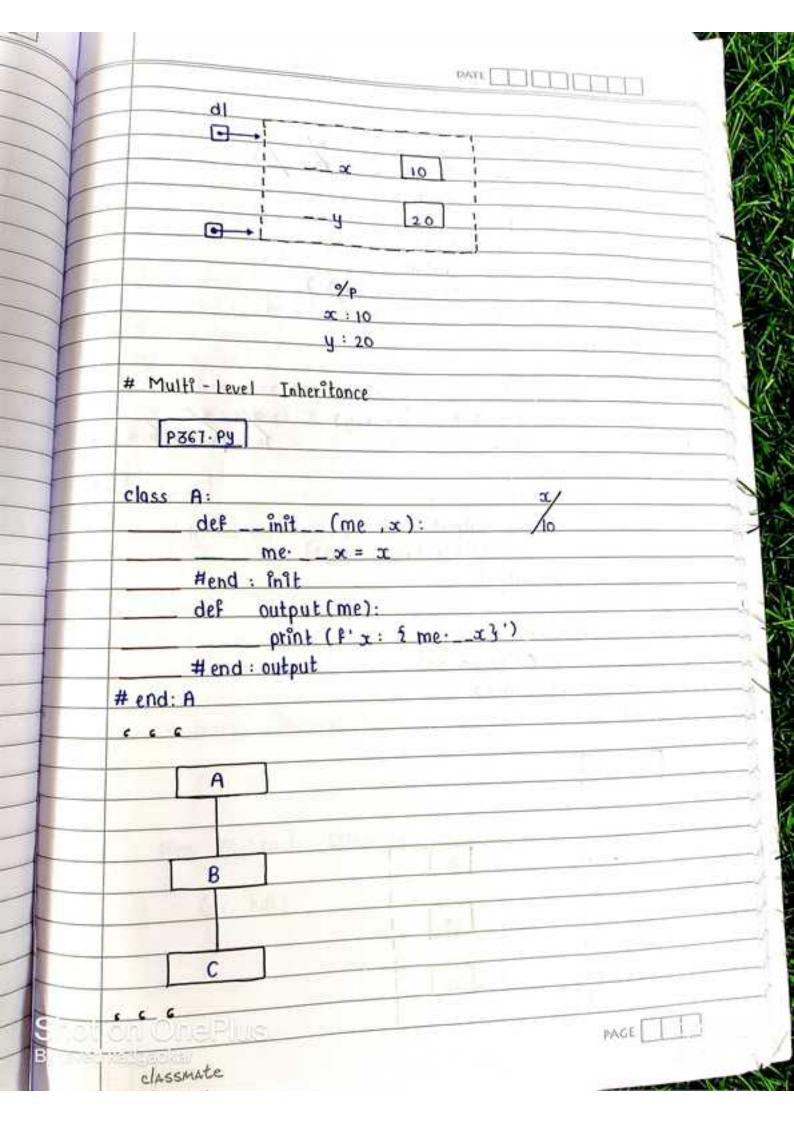


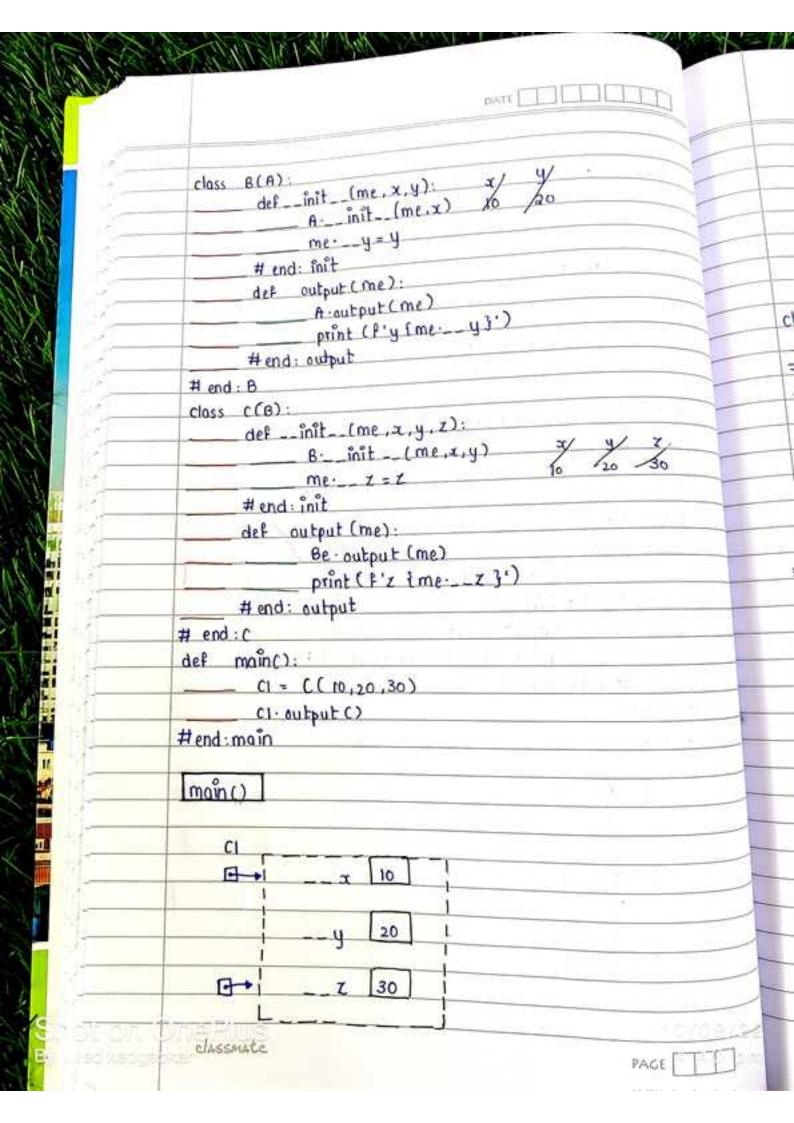
```
P365-P4
                # Muitiple herstonce
 class Company:
      def __init__(me):
         me · name = "
      #end: init
      def input (me):
        print ( enter company : )
         me _ name = input ()
     # end: input
      def output (me):
           print (f' (ompany: {me-name}')
     # end: output
#end: Company
class Brush:
      def __init__(me):
       me -beost = 0
      # end: init
      def input (me):
            print ( 'enter brush cost: ')
            me - boost = int (input ())
      # end : input
      def output (me):
            print (f' Brush cost: (me . brost 3')
     #lend: output
# end: Brush.
class Paste:
     def __init__ (me):
          me - prost =0
     # end : init
     def input (me):
      print ('enter paste cost: ()
      ____ no _ post = Pat (input ())
                                        PAGE
```

```
DATE
              #end: input
                    prent (f' poste cost: {me-pcost}')
              def output (me):
              #end: output
       # end: Paste
       class Pack (Company, Brush, Paste):
              def __init__(me):
                    Company ·__init_ (me)
Brush ·__ init_ (me)
                    Paste · __ init __ (me)
                    me cost = 0
             # end : init
             def input (me):
                   Company input (me)
                   Brush input (me)
                   Poste · input (me)
                   me - cost = 0.9 * (me · _ bcost + me · : post)
            # end: input
            def output (me):
                 _ Company output (me)
                   Brush output (me)
                   Paste output (me)
                 print (f' Pack cost: t me _ costs')
           # end: output
     #end: Pack
     def main ():
            Pl= Pack ()
            PI- inpute)
     # end: main
     main()
                     (1 tuvil la)
. L'Assmate
                                                  PAGE
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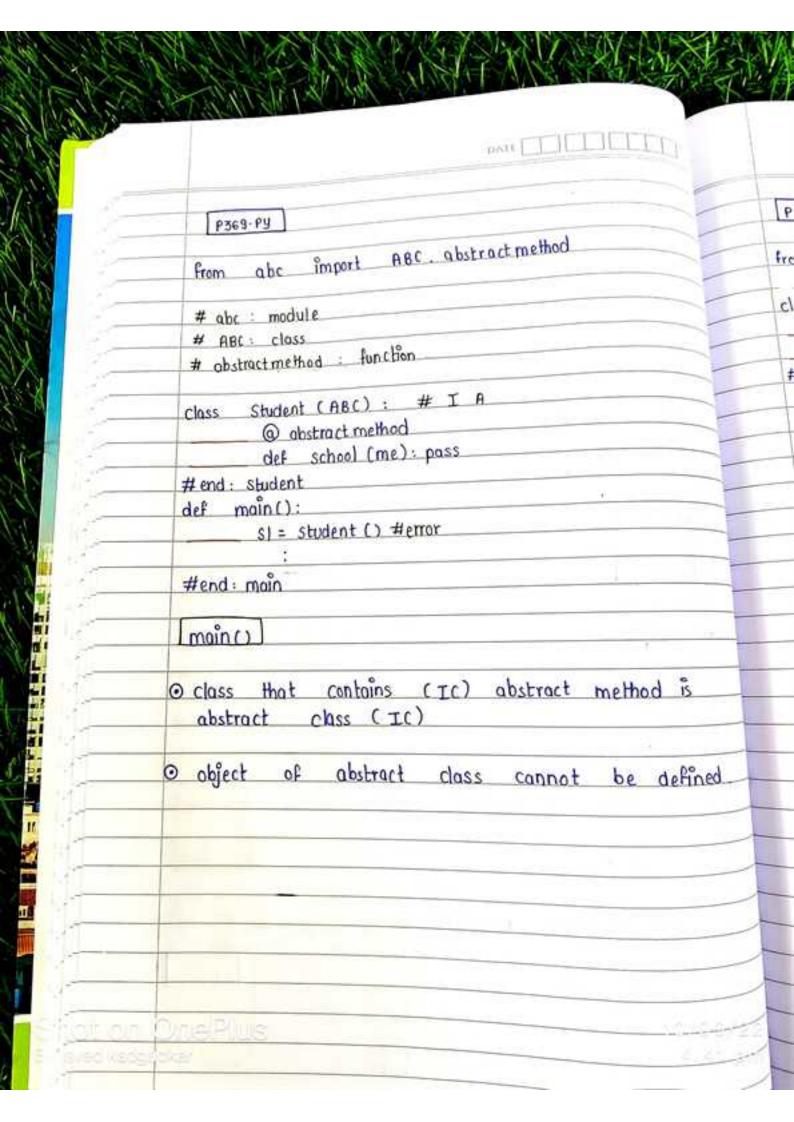






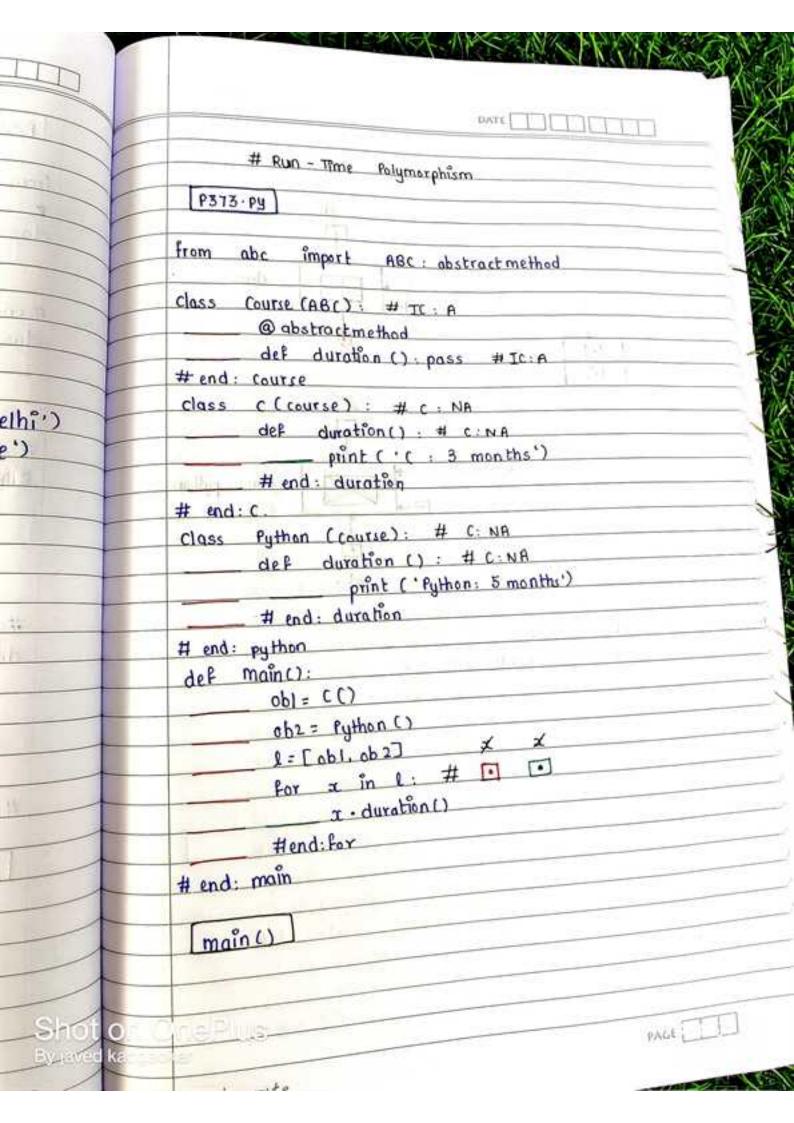


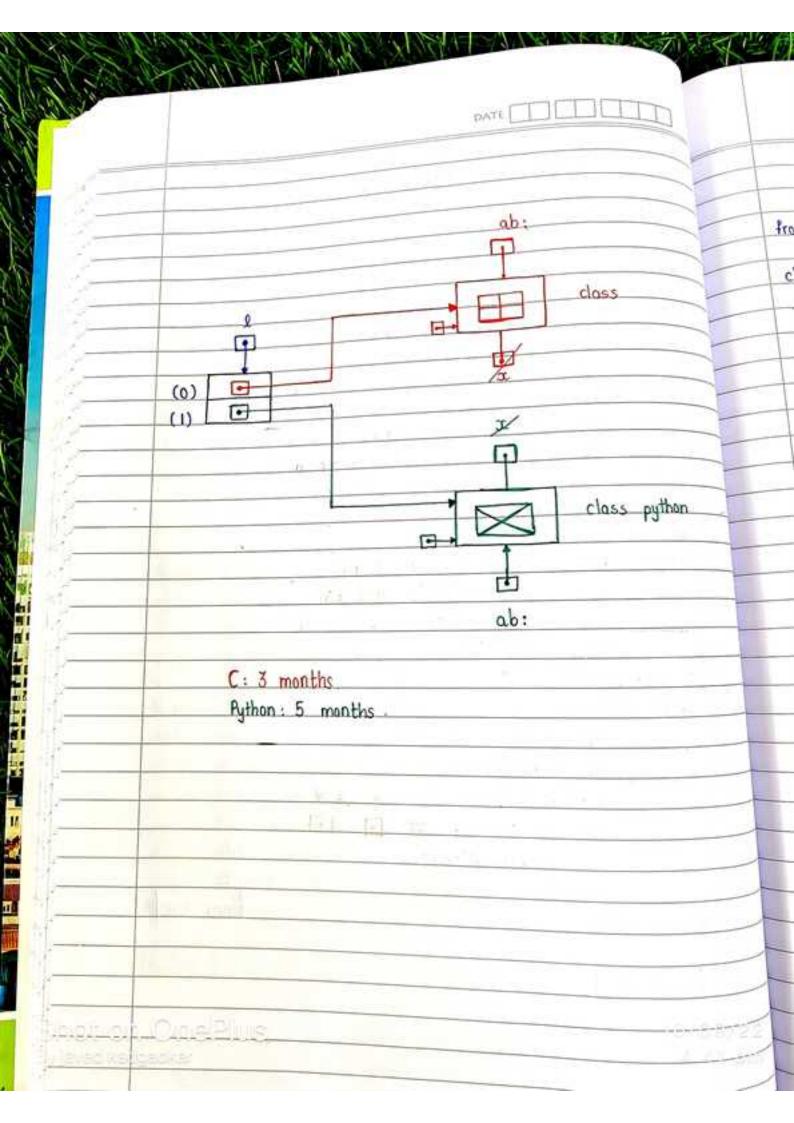




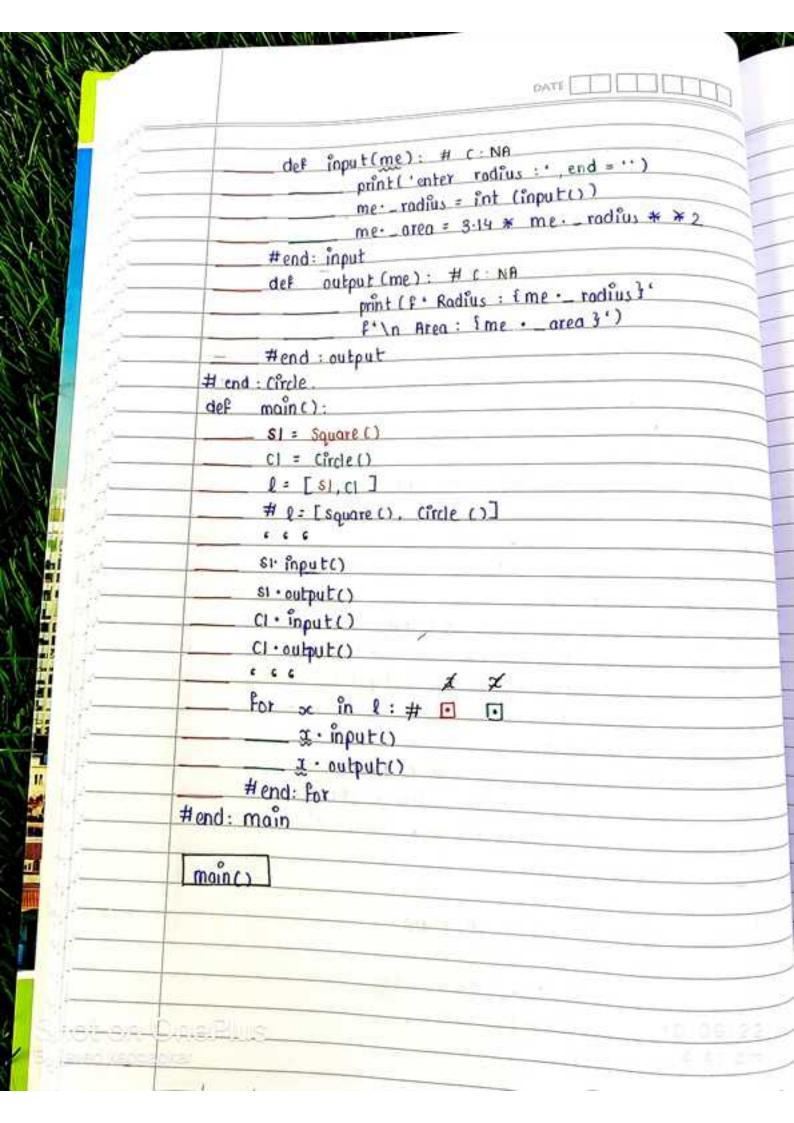
DATE TO THE P310-P4 from abc import ABC abstractmethod class student (ABC): # IC: A @ abstractmethod def school (me): pass # TC: A # end : student class Amit (student): # c:NA def school (me): # c:NA # end: school # end: Amit class Raj (student): # Ic: A def school (me): print ('IMS') # end: school # school : IC : A # end: Raj def main(): # ob 1 = student () # error ob 2 = Amit ()
ob 2 · school () # ob3 = Rajc) #error # end : main main () % BV PAGE

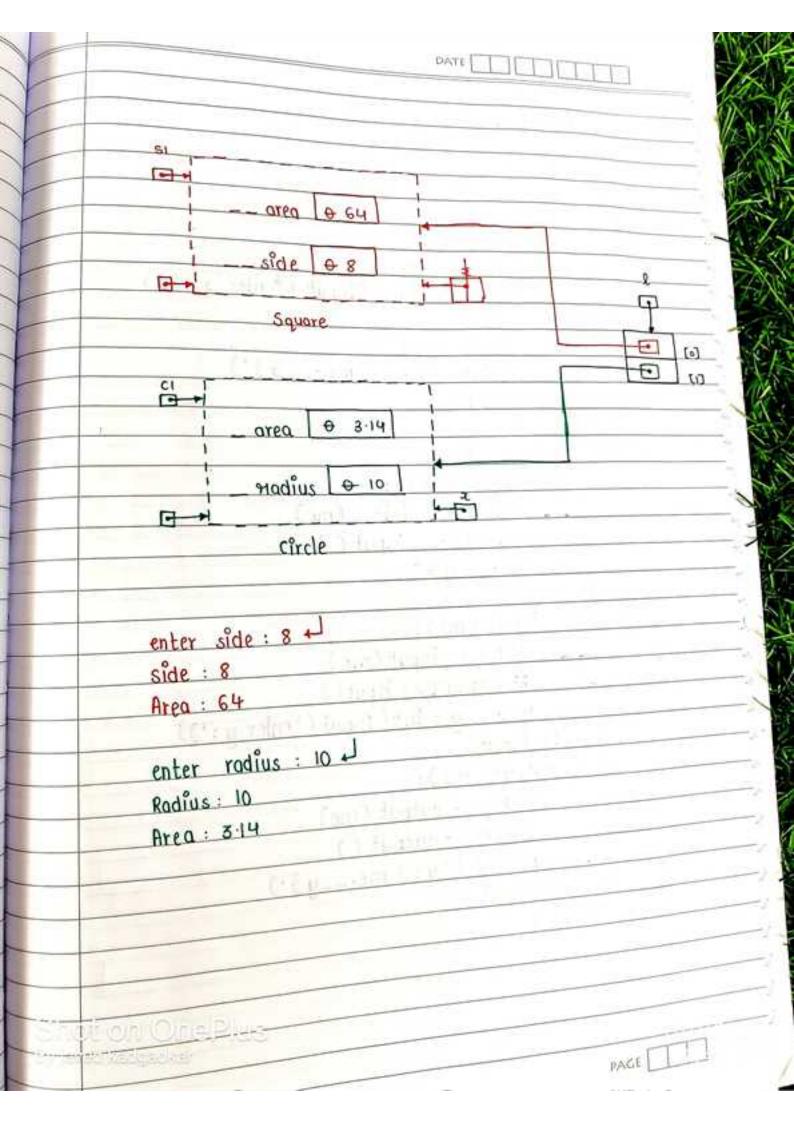
DATE P371.P9 abc import ABC abstractmethod Country (ABC): class @ abstract method def capital (me): pass # IC: A @abstractmethod def currency (me): pass # IC:A # end: country class India (country): # C: NA def copital (me): print ('India: New Belhi') def currency (me): print ('India: Rupee') # capital : C : NA # currency : C : NA # end: India class Japan (country): # IC: A def capital (me): print ('Japan: Tokyo') # capital : c: NA # currency : IC : A # end: Japan def main (): # obl = Country () #error nb2 = India() ob2 · capital() ob2 · currency () # ob3 = Japan () #error # end: main main() % India: New Delhi India: Rupee -clasemate PAGE

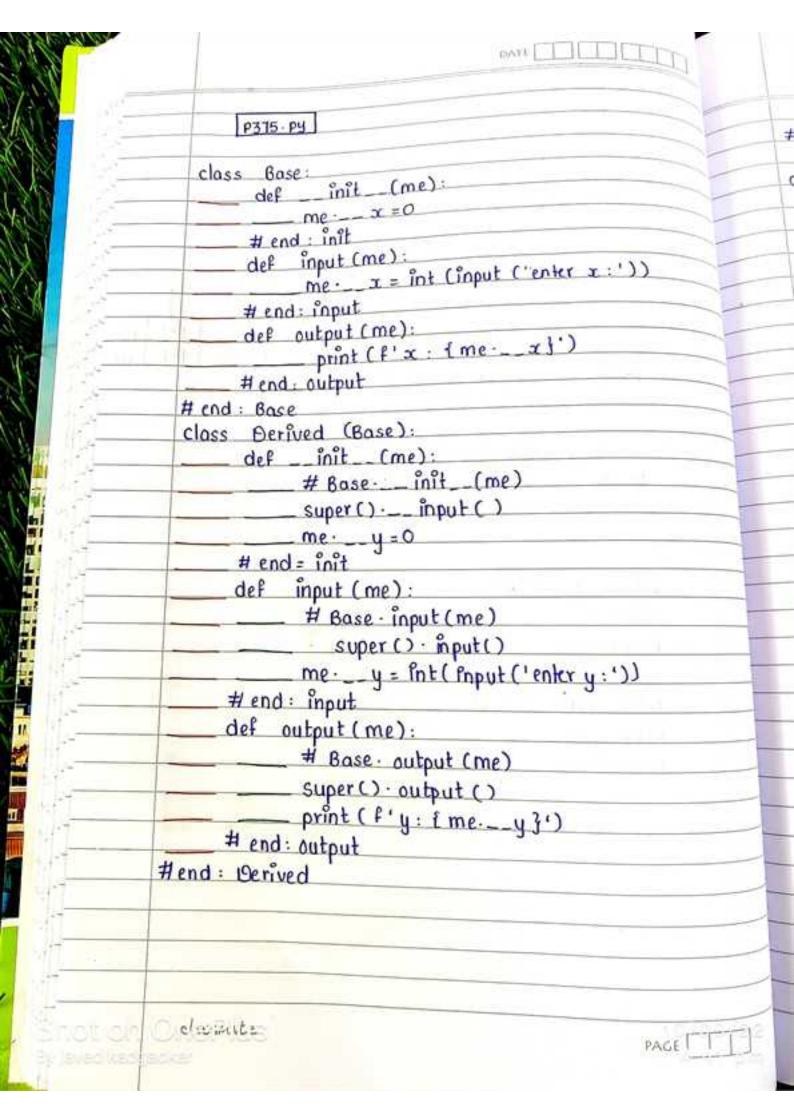




DAY(P374-PY from abc import ABC; abstractmethod class Geofig (ABC): # IC: A det __init__(me): me - area = o # end : Init abstract method def input (me): pass # IC:A / @abstractmethod def output (me): pass # I(A # end : Geo Fig. class Square (Geofig): # C: NA def __init__(me): Geofig.__init_ (me) me. side =0 # end: init def input (me): # c:NA print ('enter side : ', end = '') me - side = int (input ()) me . _ grea = me _ side * * 2 # end: input. def output (me): # (:NA print (f' side : i me - side i' F' \n Area : i me - area ? ') #end: output # end: Square class Circle (Geofig): # C:NA det__init_ (me): Geofig -_ init_ (me) me radiu = 0 #end: init PAGE classmate

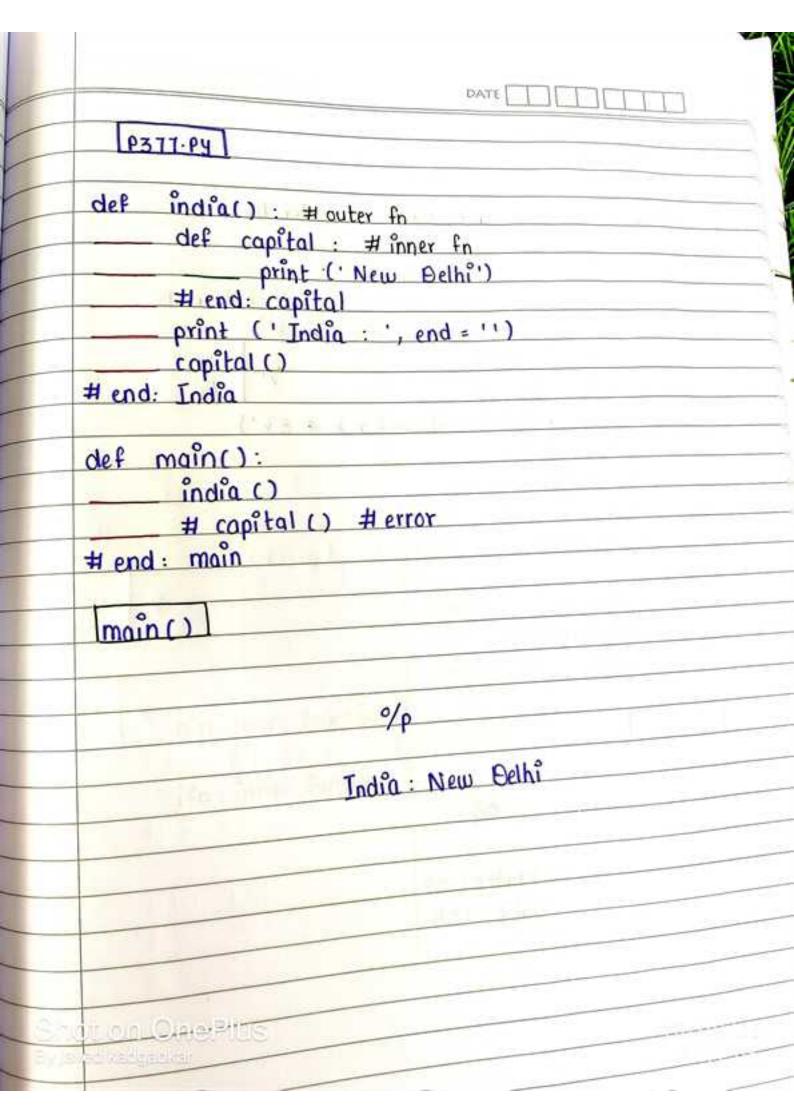


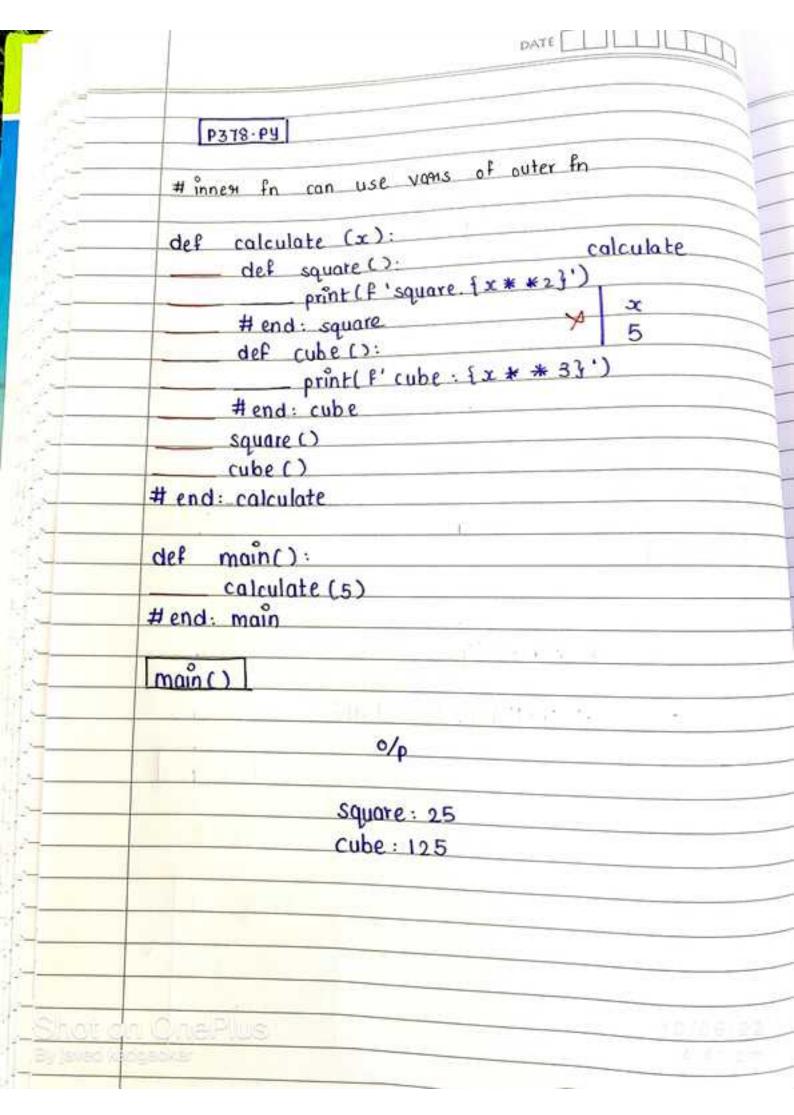


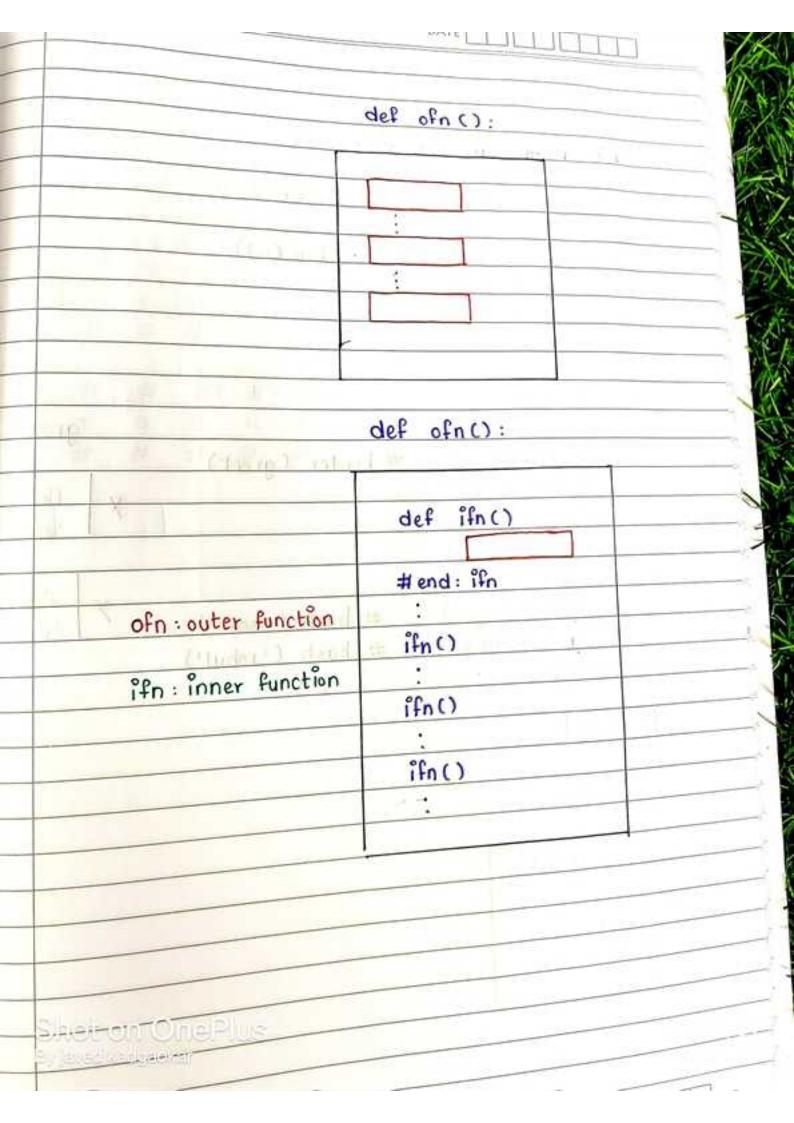


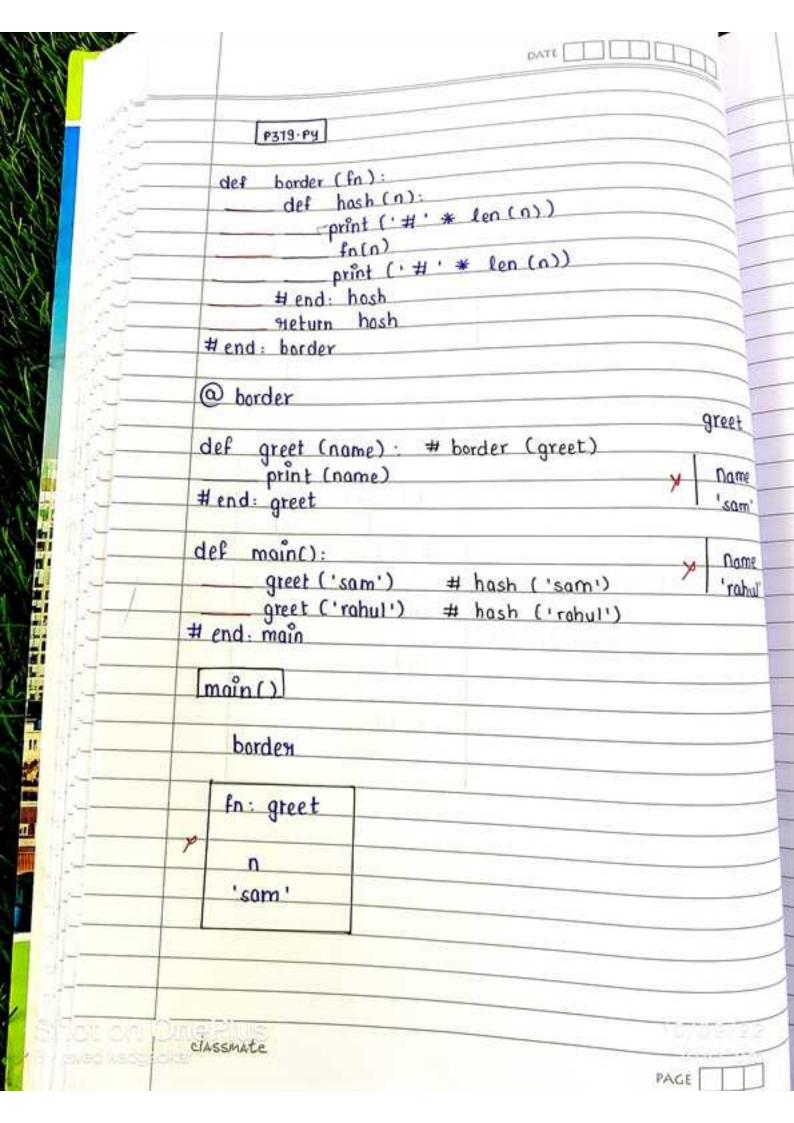
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1	C-WATTER WATER
In	
	DATE
	# super: superior.
	def main ():
	dl = Derived()
	dl - input()
	dl = Derived () dl : in put () dl : output() # end: main
	main()
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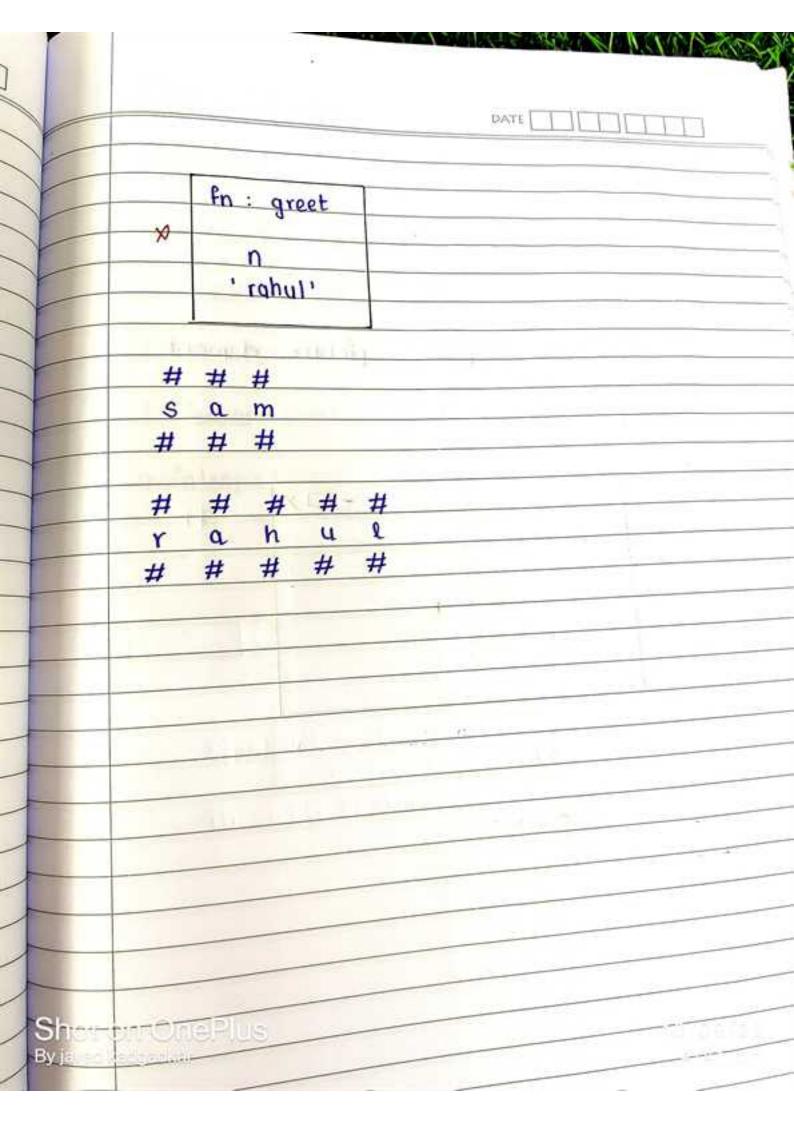
Carlotte Street		
	DATE	
	P376·P9	
	def copital (): print ('New Delhi') # end: capital def india ():	
	# end: canital	
	orint ('India: , ena -	
	# end: India	
	def main ():	
	india ()	
174	capital ()	
	# end: main main()	
	%р	
	India: New Delhi	
	New Delhi	
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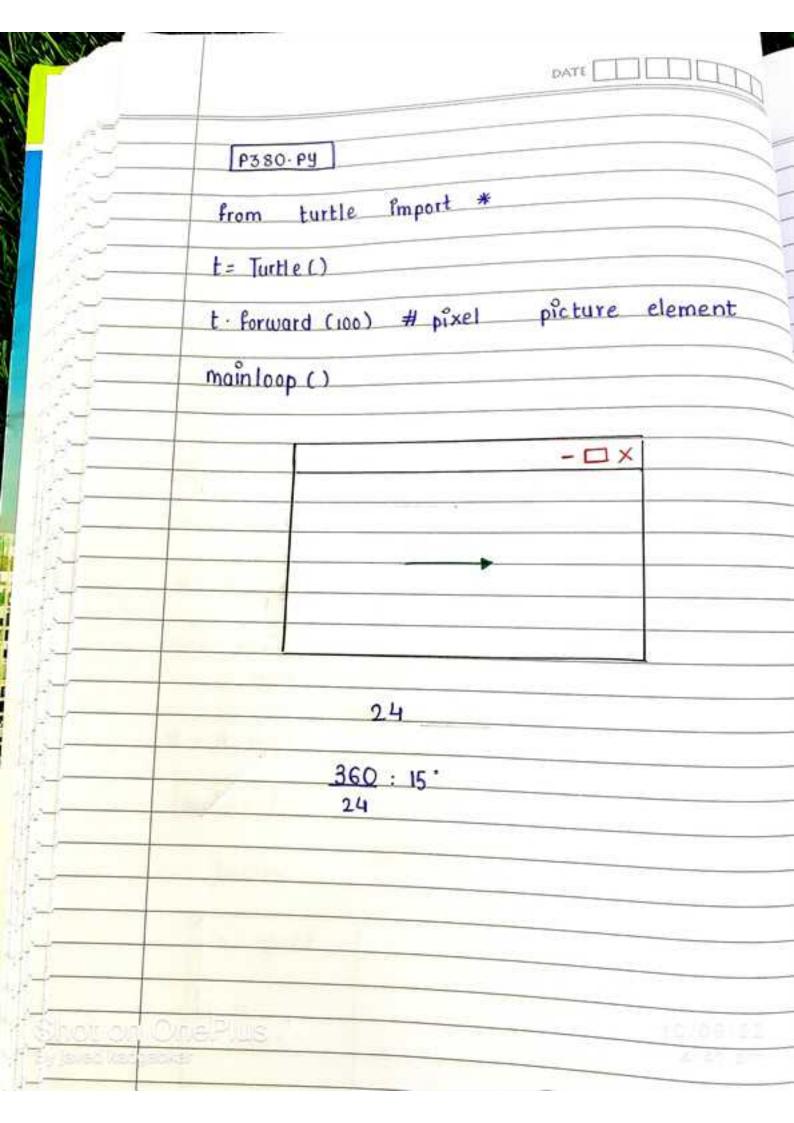


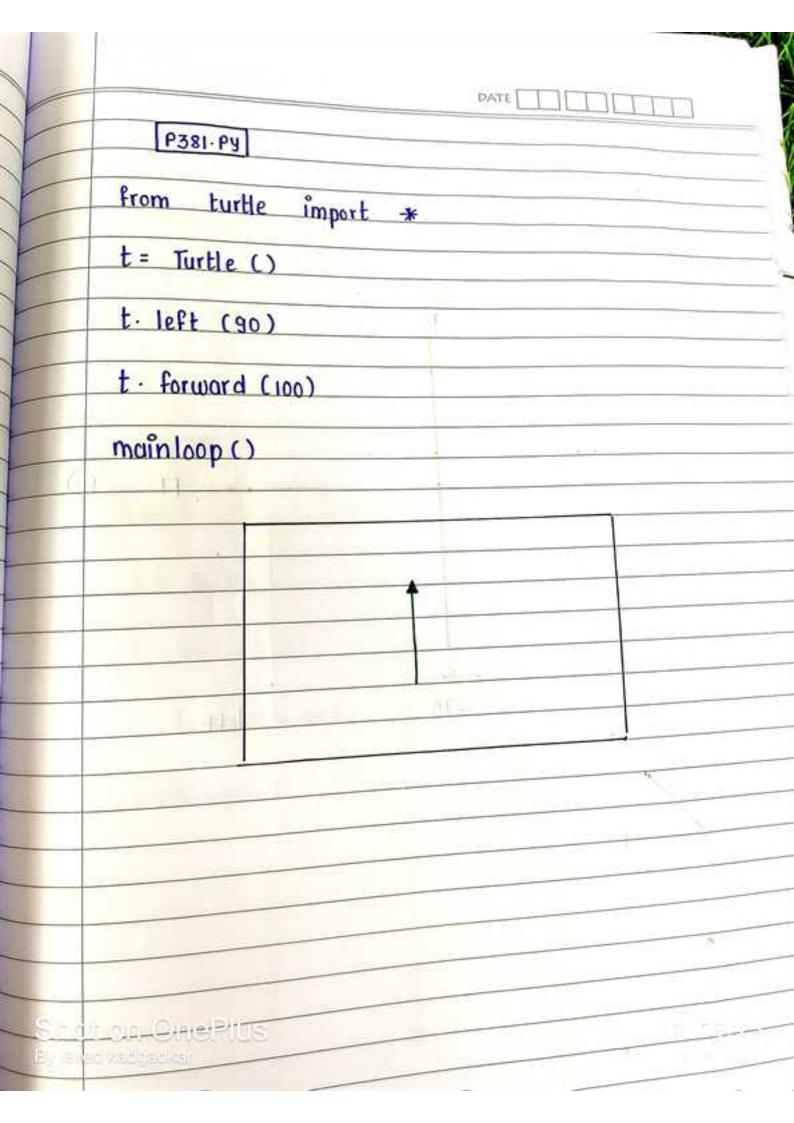


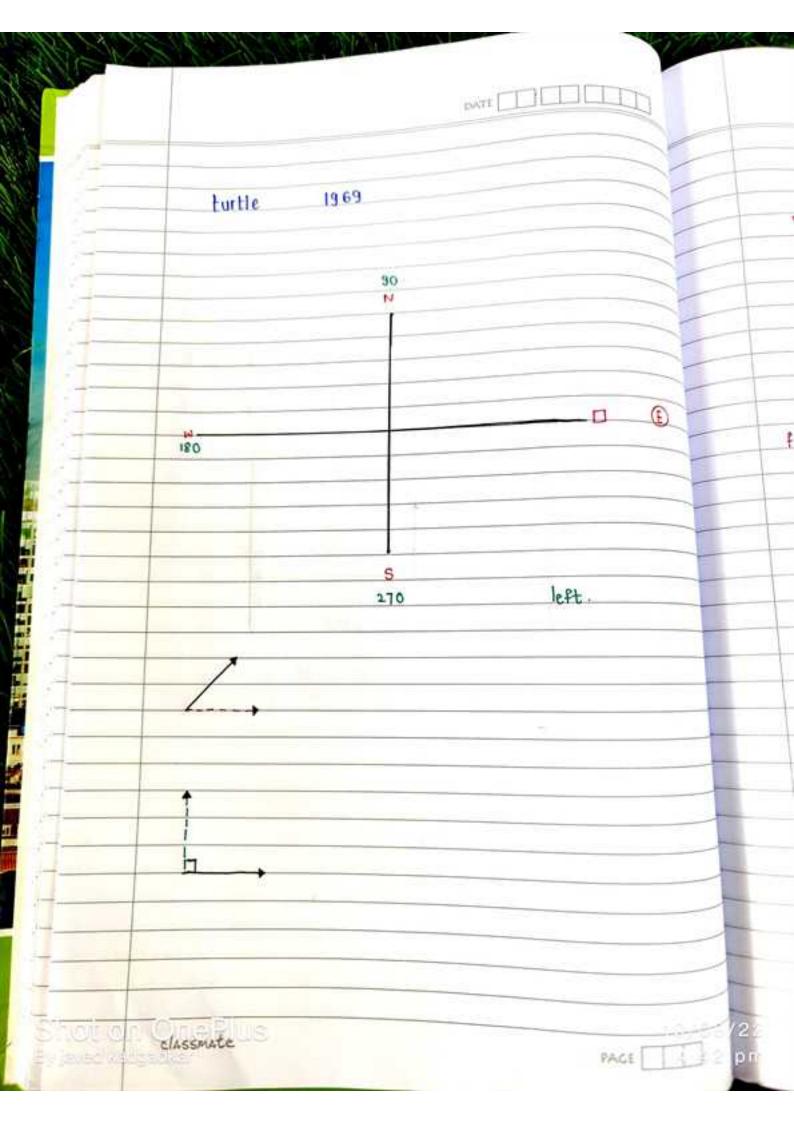


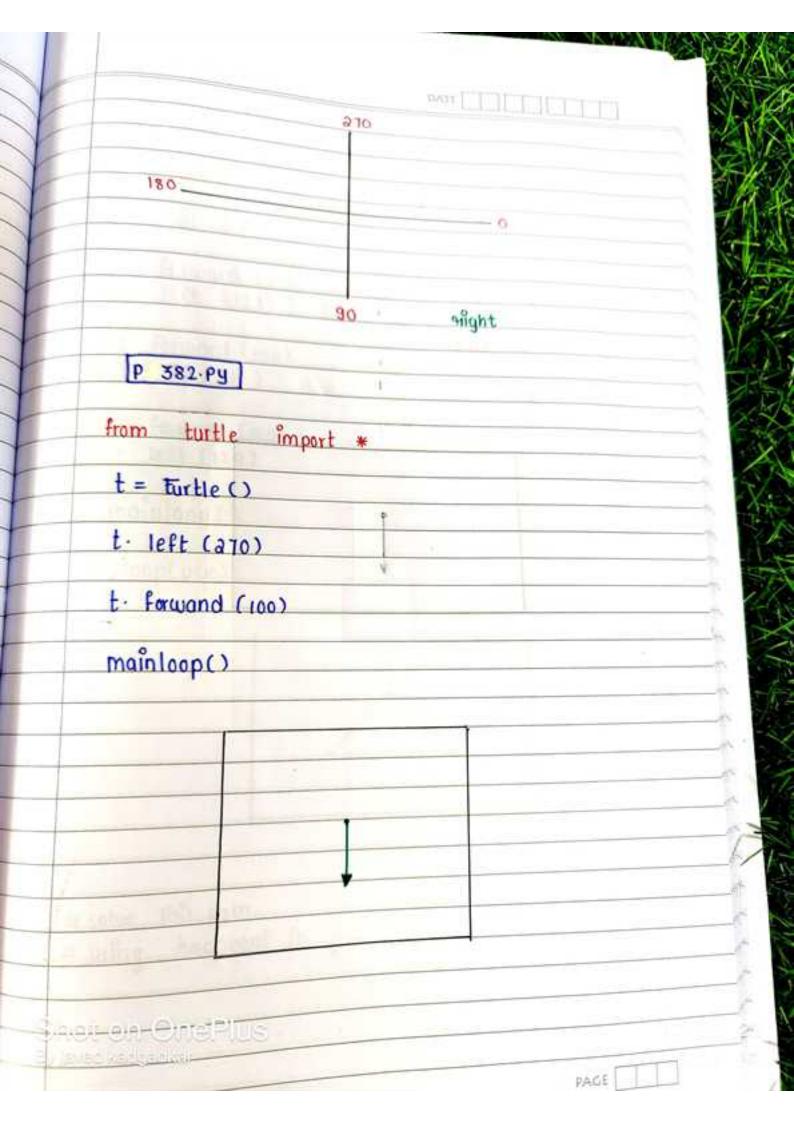


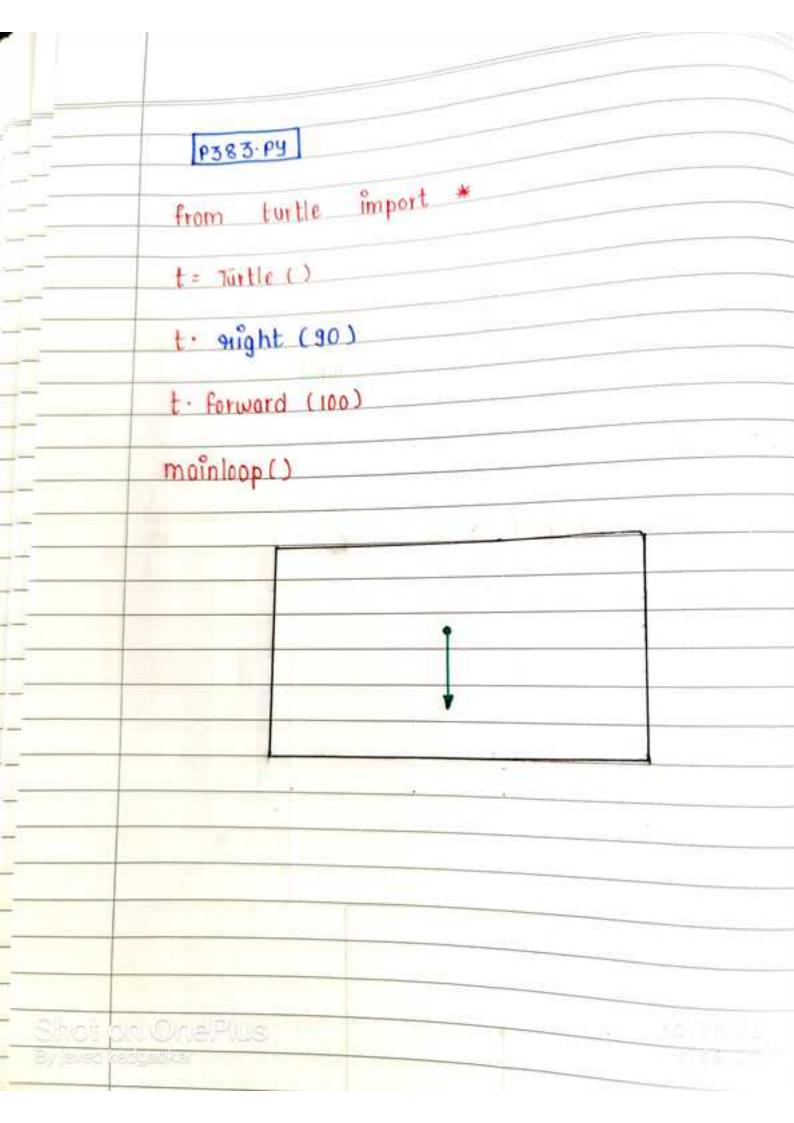


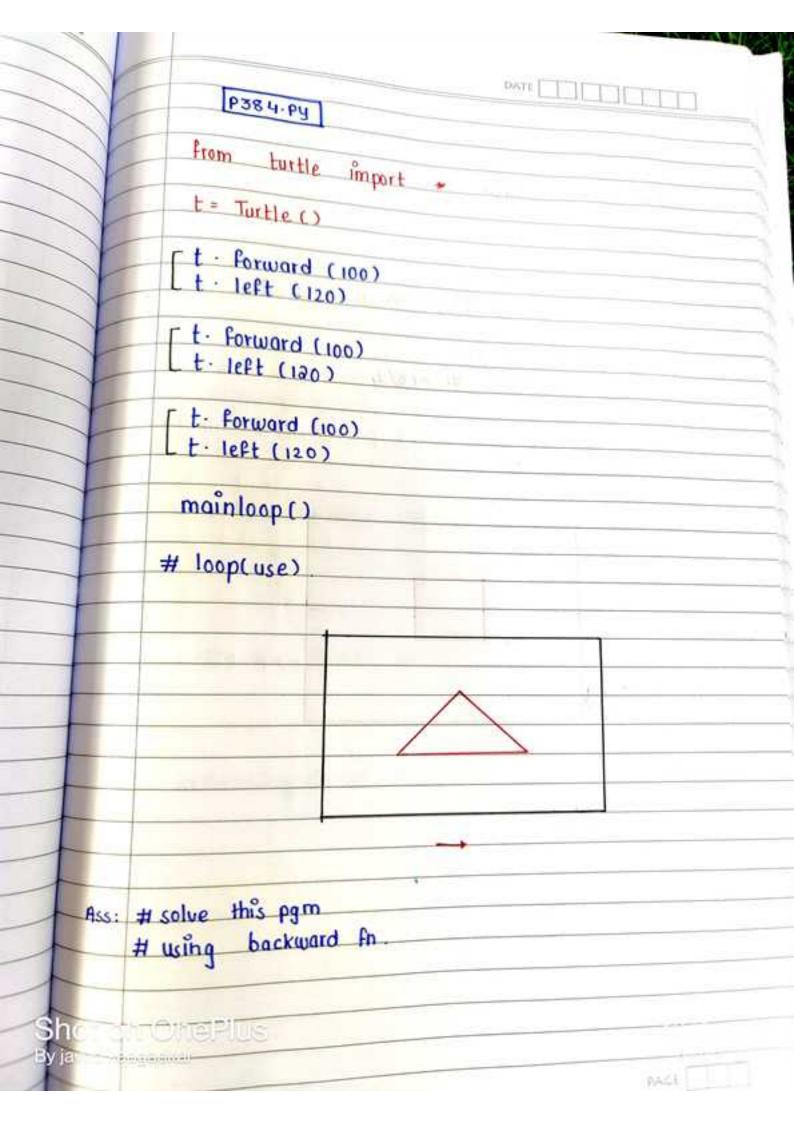


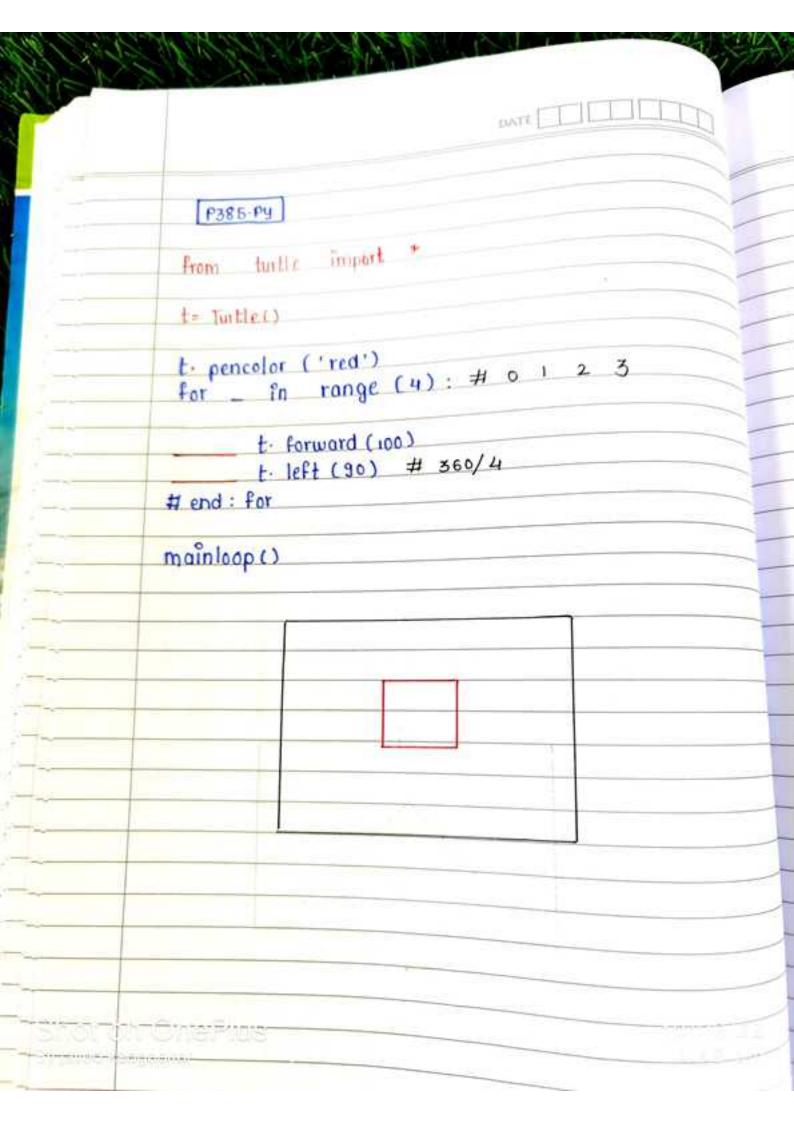


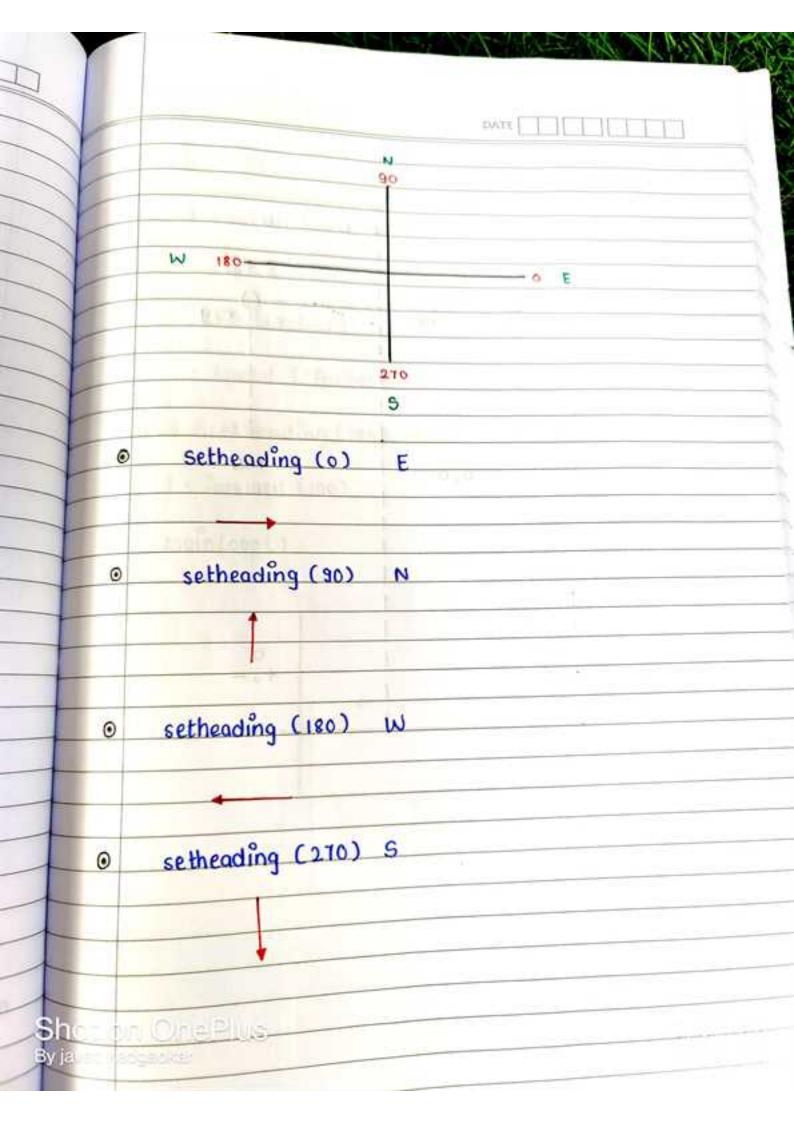


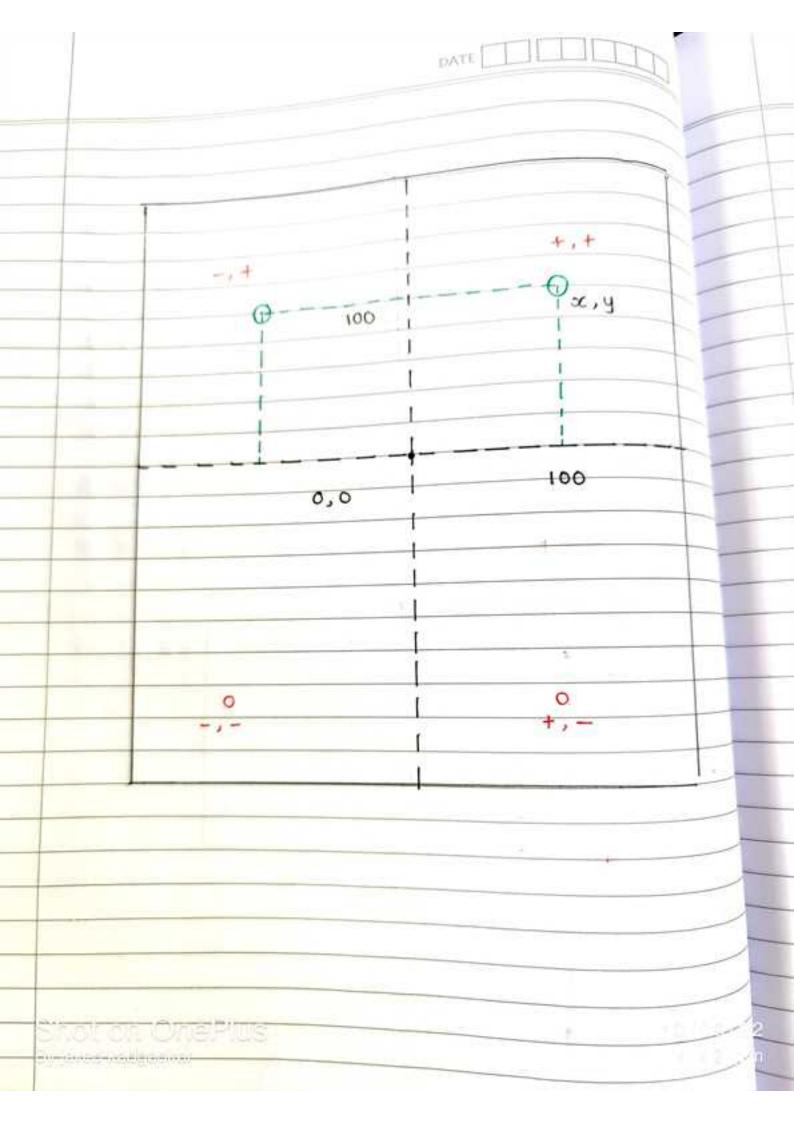


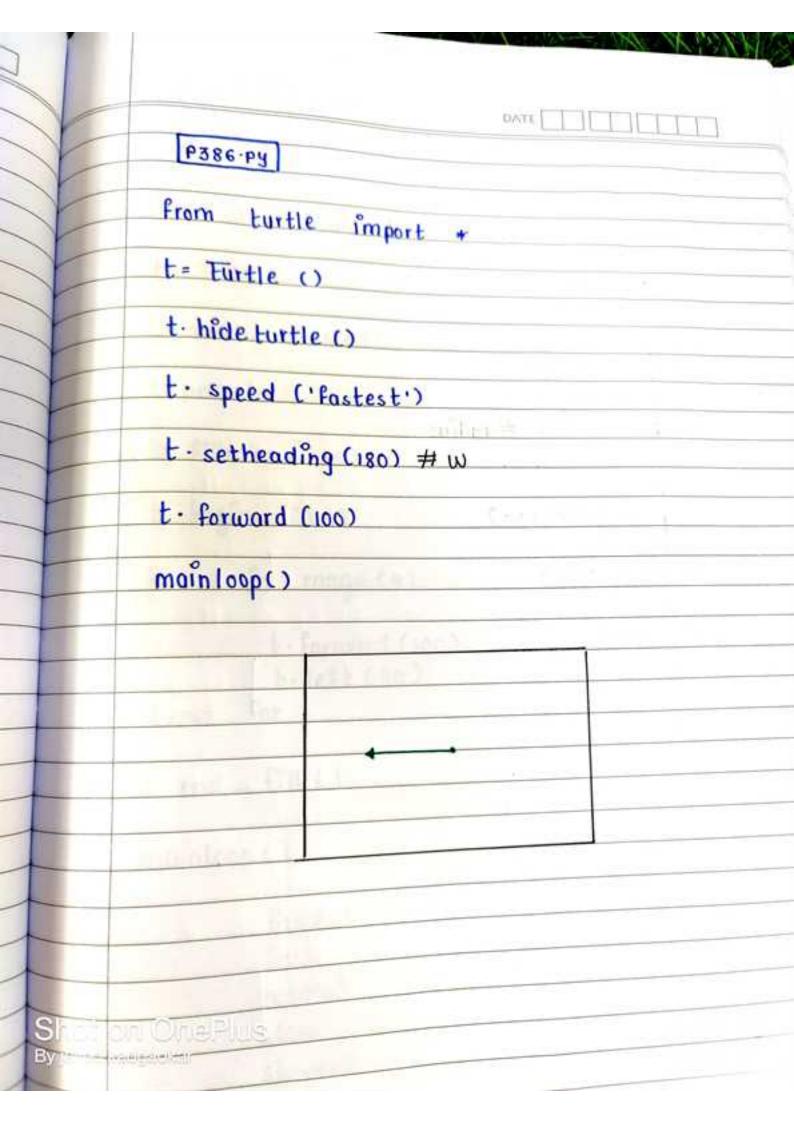




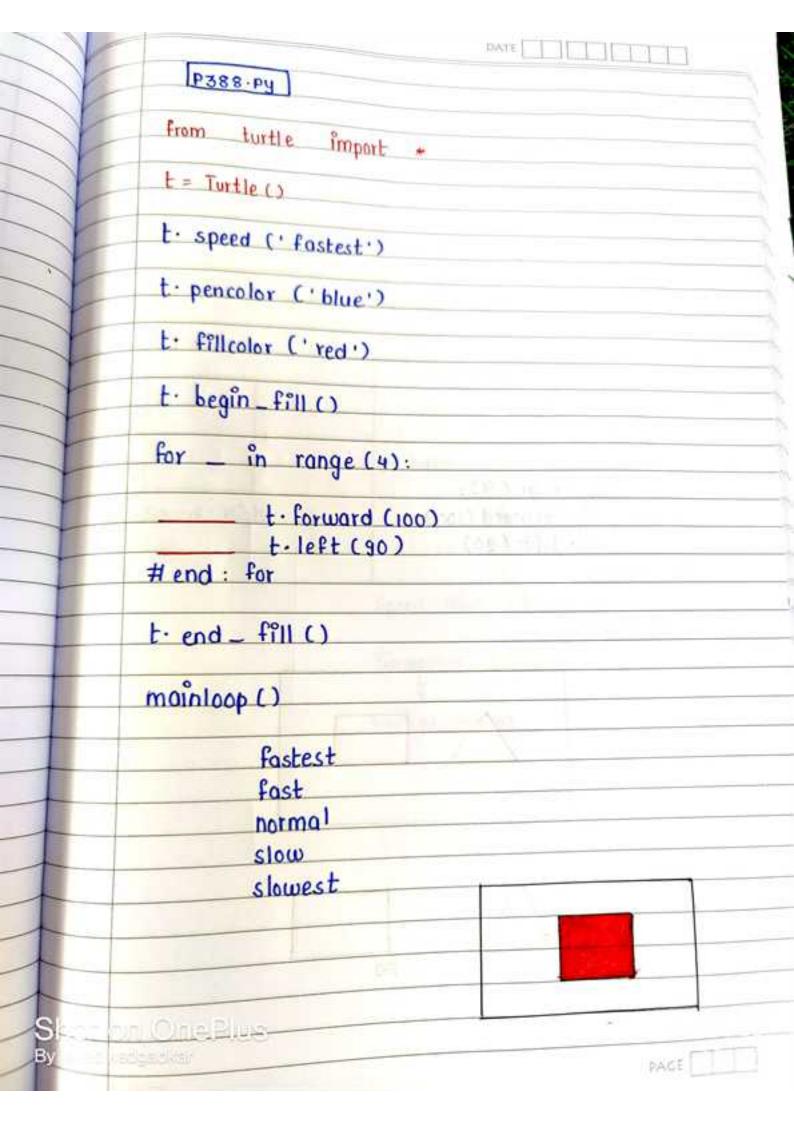








P387-P4 turtle import * From t = Turtle () t.up() t · goto (100,100) t · down() t. circle (25) # radius t· up() t. goto (-100,100) t. down () t. circle (25) mainloop () Sheir on OnaPlus



6983·6A from turtle import * t - Turtle () for _ in range (3): t. forward (100) t. left (120) #end : For t·up() t · forward (200) t · down () for _ in range (4): t. forward (100) t. left (90) # end : For main loop () 100