```
🕏 figure_main.py 🔀
cau_oss_python_03 > 🕏 figure_main.py > ...
      셀 실행 | 아래에서 실행 | 디버그 셀
      # %%
      area rectangle, area right triangle, area ellipse 함수들에서
      예외 발생 시 0이하의 값은 입력할 수 없습니다를 출력하도록 변경!
      import figure
 10
      myline = figure.line(10, 20)
11
      width, height = myline.get_length()
12
 13
      try:
 14
          rectangle = figure.area_rectangle(width, height)
 15
          print(rectangle)
      except ValueError :
          print("please input positive number for width and height")
 17
18
19
20
      myline.set_length(20, 30)
      width, height = myline.get_length()
21
22
 23
      try:
24
          right_triangle = figure.area_right_triangle(width, height)
25
          print(right_triangle)
26
      except ValueError :
          print("please input positive number for width and height")
27
 28
29
      myline.set_length(30, 40)
30
      width, height = myline.get_length()
31
32
      try:
33
          ellipse = figure.area_ellipse(width, height)
          print(ellipse)
 34
35
      except ValueError :
          print("please input positive number for width and height")
36
```

```
cau_oss_python_03 > ? figure.py > ...
       import math
       class Line:
           _{\rm width} = 0
           _{\rm height} = 0
           def __init__(self, width, height):
               self. width = width
               self.__height = height
 10
 11
 12
           def set_length(self, width, height):
 13
               self. width = width
 14
               self.__height = height
 15
           def get_length(self):
 16
 17
               return self._width, self._height
 18
 19
 20
           def area_rectangle(width, height) :
               if width <= 0 or height <= 0 : raise ValueError
 21
 22
               return width * height
 23
 24
           def area_ellipse(width, height) :
               if width <= 0 or height <= 0 : raise ValueError</pre>
 25
               return width * height * math.pi
 26
 27
 28
           def area_right_triangel(width, height) :
               if width <= 0 or height <= 0 : raise ValueError
 29
 30
               return width * height / 2
 31
```

figure.py X

```
kim-euijin@KEJui-MacBookAir cau_oss_python_03 % git branch -1
* hw5
 main
kim-euijin@KEJui-MacBookAir cau_oss_python_03 % git switch main
      .DS Store
'main' 브 랜 치 로 전 환 합 니 다
브랜치가 'origin/main'에 맞게 업데이트된 상태입니다.
kim-euijin@KEJui-MacBookAir cau_oss_python_03 % git merge hw5
[업 데 이 트 중 9badc1d..e4f03e0
Fast-forward
figure.py | 36 +++++++++++++++++
2 files changed, 56 insertions(+), 31 deletions(-)
kim-euijin@KEJui-MacBookAir cau_oss_python_03 %
```