

오픈소스SW와 파이썬 프로그래밍 HW5

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1) 바뀐 figure.py와 figure_main.py

```
class Line:
    __width = 0
    __height = 0

    def __init__(self, width, height):
        self.__width = width
        self.__height = height

    def get_length(self):
        return self.__width, self.__height

    def set_length(self, width, height):
        self.__width = width
        self.__height = height

# area_rectangle 함수는 직사각형의 넓이를 구하는 함수이다
def area_rectangle(width, height):
    if width <= 0 or height <= 0: raise ValueError
    return width * height

# area_ellipse 함수는 타원의 넓이를 구하는 함수이다
def area_ellipse(width, height):
    if width <= 0 or height <= 0: raise ValueError
    return width * height * math.pi

# area_right_triangle 함수는 직각삼각형의 넓이를 구하는 함수이다
def area_right_triangle(width, height):
    if width <= 0 or height <= 0: raise ValueError
    return width * height / 2

# import를 통해 figure 모듈을 호출한다
import figure

myline = figure.Line(10, 20)
width, height = myline.get_length()

try:
    You, 9 minutes ago • feat: implement hw5
    rectangle = figure.area_rectangle(width, height)
    ellipse = figure.area_ellipse(width, height)
    right_triangle = figure.area_right_triangle(width, height)
    print(rectangle)
    print(ellipse)
    print(right_triangle)
except ValueError:
    print("Please input positive number for width and height")
```

2) branch를 만들고 수정파일을 commit과 함께 업로드

```
PS C:\Users\lg\Desktop\3학년 1학기\오픈소스SW와 파이썬프로그래밍\과제\cau_oss_python_03> git branch hw5
PS C:\Users\lg\Desktop\3학년 1학기\오픈소스SW와 파이썬프로그래밍\과제\cau_oss_python_03> git switch hw5
Switched to branch 'hw5'
PS C:\Users\lg\Desktop\3학년 1학기\오픈소스SW와 파이썬프로그래밍\과제\cau_oss_python_03> git add figure.py figure_main.py
PS C:\Users\lg\Desktop\3학년 1학기\오픈소스SW와 파이썬프로그래밍\과제\cau_oss_python_03> git commit -m "feat: implement hw5"
On branch hw5
nothing to commit, working tree clean
PS C:\Users\lg\Desktop\3학년 1학기\오픈소스SW와 파이썬프로그래밍\과제\cau_oss_python_03> git switch main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 2 commits.
(use "git push" to publish your local commits)
PS C:\Users\lg\Desktop\3학년 1학기\오픈소스SW와 파이썬프로그래밍\과제\cau_oss_python_03> git merge hw5
Already up to date.
```

3) pdf파일도 업로드 후 push

```
PS C:\Users\lg\Desktop\3학년 1학기\오픈소스SW와 파이썬프로그래밍\과제\cau_oss_python_03> git add hw5_git_branch.pdf
PS C:\Users\lg\Desktop\3학년 1학기\오픈소스SW와 파이썬프로그래밍\과제\cau_oss_python_03> git commit -m "feat: write a process to manage git branch"
[main bc1f8c9] feat: write a process to manage git branch
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 hw5_git_branch.pdf
PS C:\Users\lg\Desktop\3학년 1학기\오픈소스SW와 파이썬프로그래밍\과제\cau_oss_python_03> git push
Enumerating objects: 12, done.
Counting objects: 100% (12/12), done.
Delta compression using up to 8 threads
Compressing objects: 100% (9/9), done.
Writing objects: 100% (9/9), 101.96 KiB | 5.37 MiB/s, done.
Total 9 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), completed with 1 local object.
To https://github.com/changhyun-Hong/cau_oss_python_03.git
06e0f75..bc1f8c9 main -> main
```