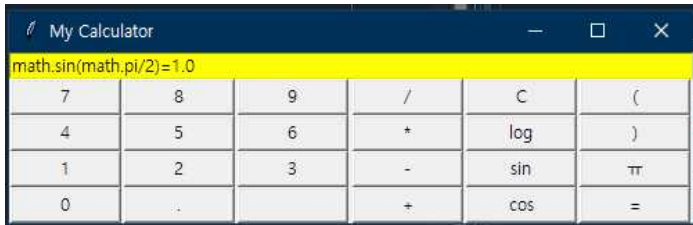
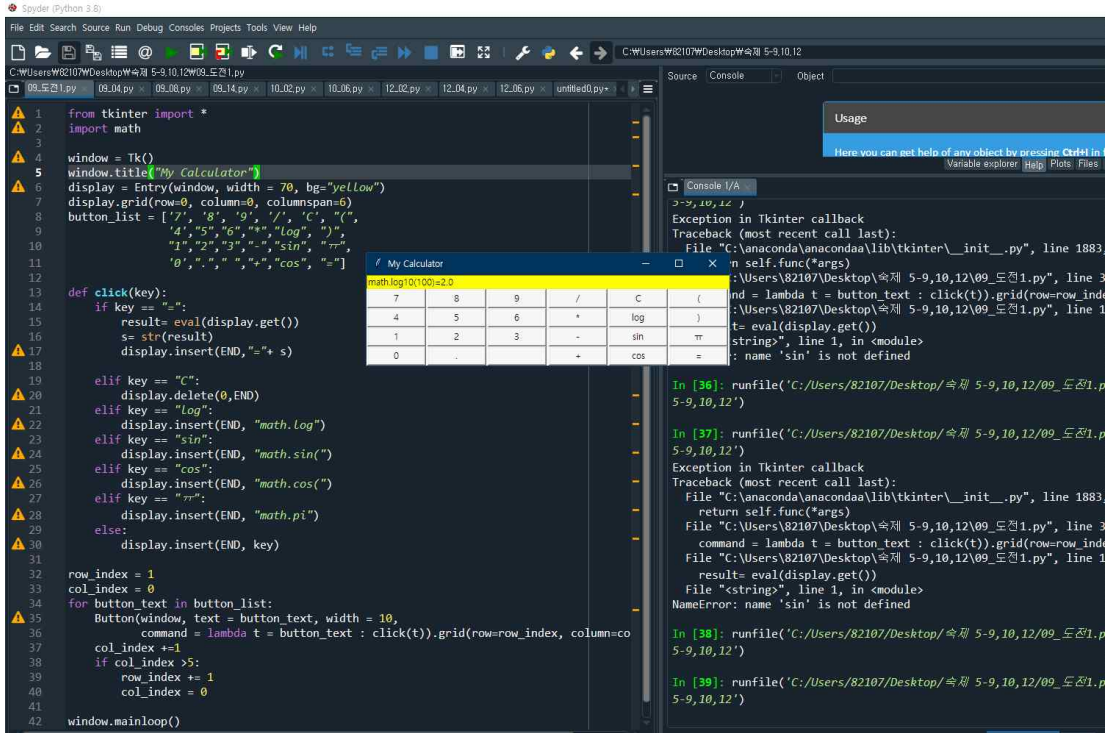
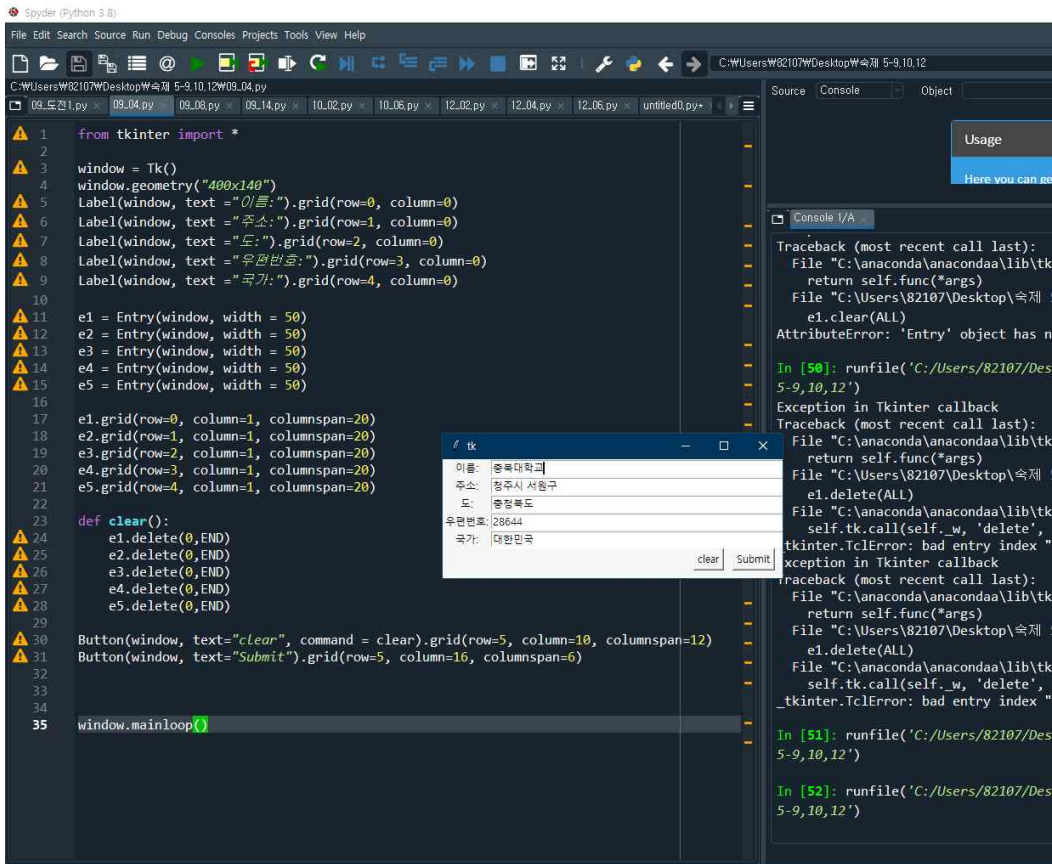


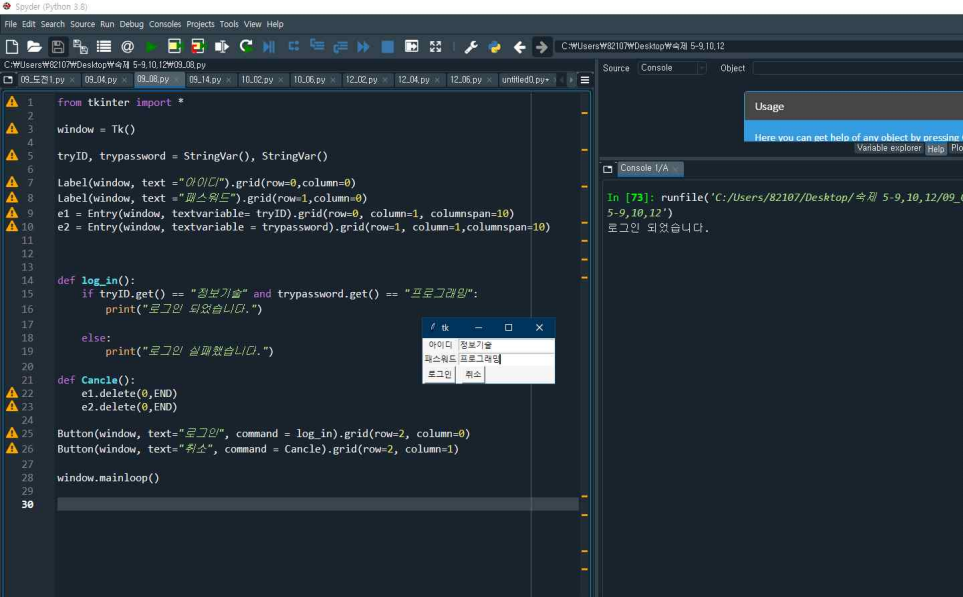
9장 도전문제 1번



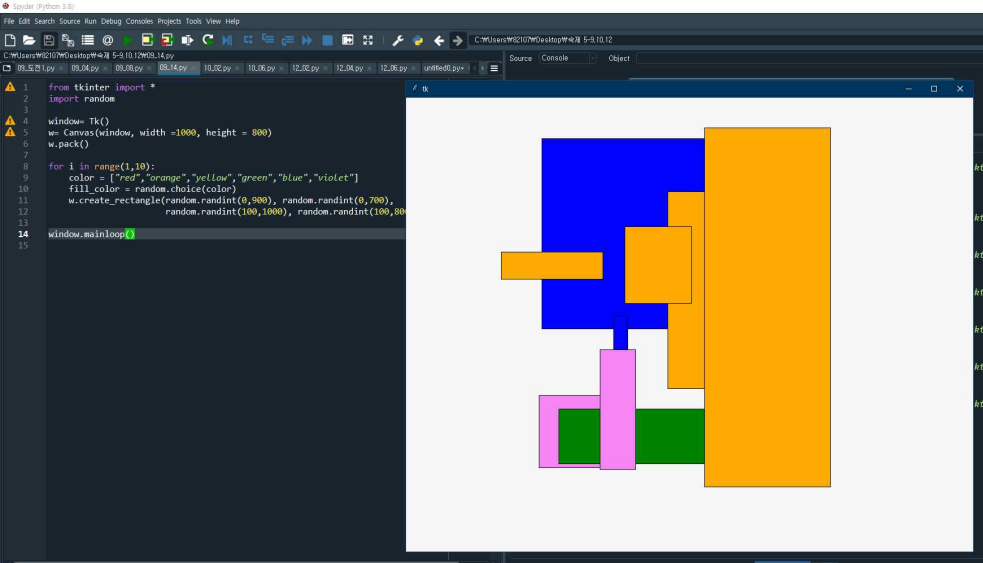
9장 4번



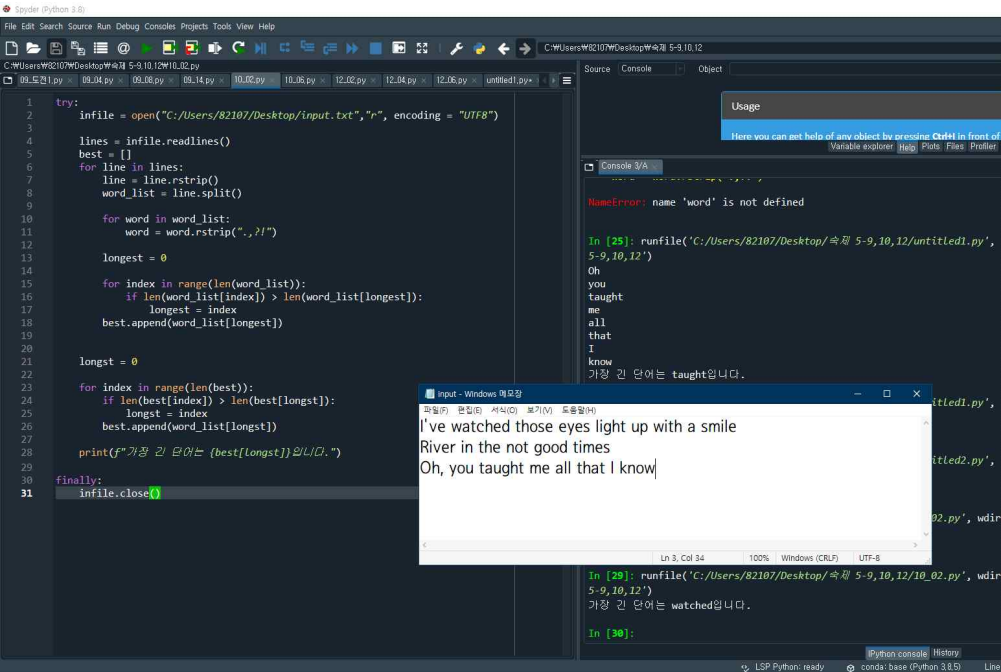
9장 8번



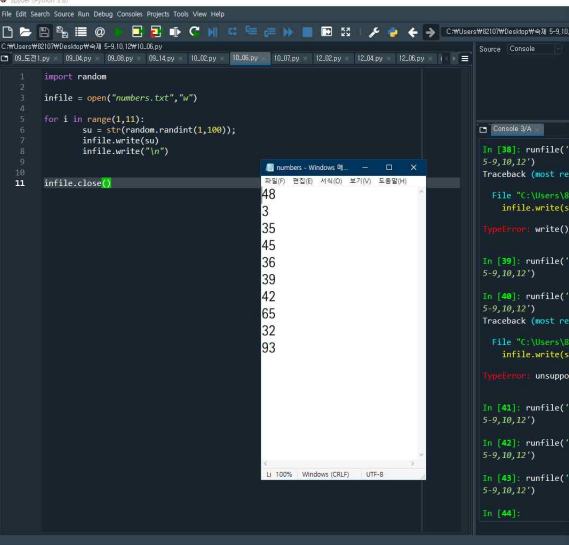
9장 14번



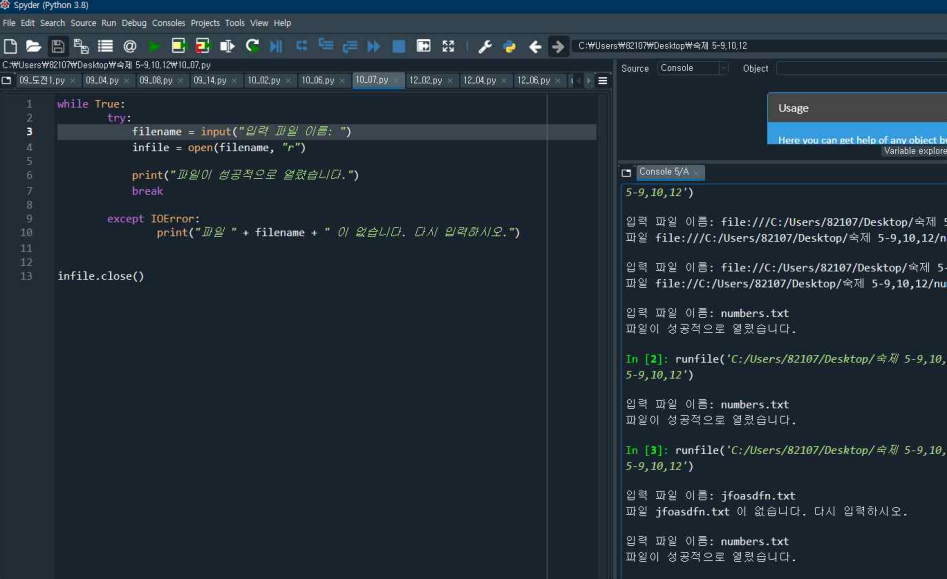
10장 2번



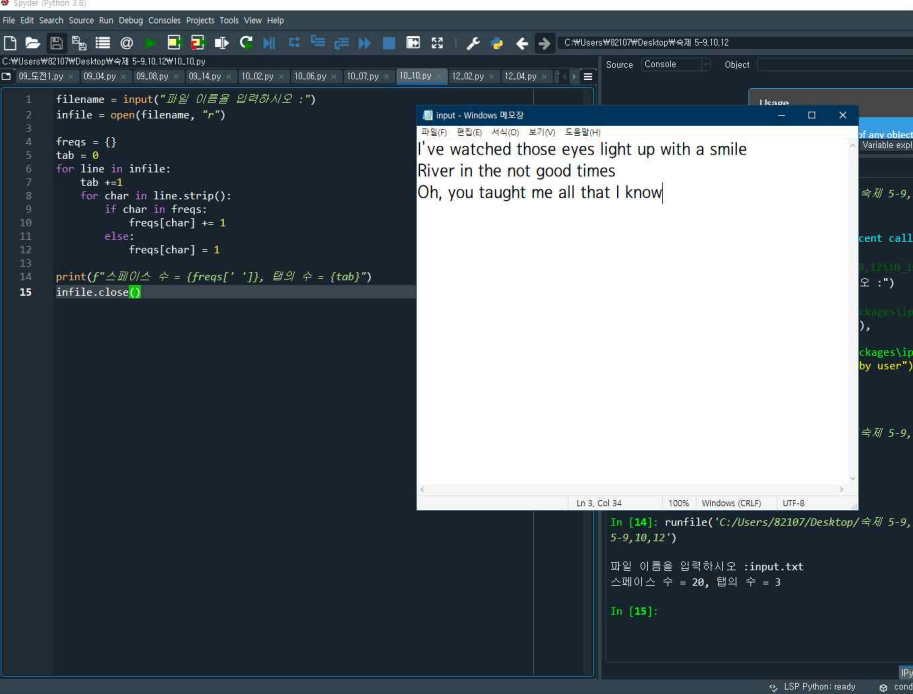
10장 6번



10장 7번



10장 10번



12장 2번

```

1 class Address:
2     def __init__(self, street, city):
3         self.street = str(street)
4         self.city = str(city)
5
6 class Person:
7     def __init__(self, name, email):
8         self.name = str(name)
9         self.email = str(email)
10
11 class Contact(Address, Person):
12     def __init__(self, street, city, name, email):
13         Address.__init__(self, street, city)
14         Person.__init__(self, name, email)
15
16     print(f"이름 : {self.name} \n주소 : {self.city}, {self.street} \n이메일 주소 : {self.email}")
17
18 ContactAddress1 = Contact('Dalbit-ro', 'Sejong-si', "Heo", "1234@gmail.com")
19 ContactAddress2 = Contact('Sejong-ro', 'Sejong-si', "Kim", "5678@gmail.com")

```

Console 6/A

```

Python 3.8.5 (default, Sep 3 2020)
Type "copyright", "credits" or "help()" to get more help.

IPython 7.19.0 -- An enhanced IPython shell

In [1]: runfile('C:/Users/82107/Desktop/숙제 5-9,10,12.py', wdir='C:/Users/82107/Desktop')

이름 : Heo
주소 : Sejong-si, Dalbit-ro
이메일 주소 : 1234@gmail.com

이름 : Kim
주소 : Sejong-si, Sejong-ro
이메일 주소 : 5678@gmail.com

```

12장 4번

```

1 import random
2
3 class Dice:
4     def __init__(self):
5         pass
6
7     def roll(self):
8         d = random.randint(1,6)
9         return d
10
11 class FraudDice(Dice):
12     def roll(self):
13         d = super().roll()
14         while d <= 3:
15             d = random.randint(1,6)
16         return d
17
18 aa=Dice()
19 bb=FraudDice()
20 print("Dice 객체 5번:")
21 for i in range(1,6):
22     print(aa.roll())
23 print("\nFraudDice 객체 5번:")
24 for i in range(1,6):
25     print(bb.roll())

```

Console 1/A

```

5-9,10,12/12_04.py', wdir='C:/Users/82107/Desktop')
5-9,10,12'')

5
4
2
2
4

In [143]: runfile('C:/Users/82107/Desktop/숙제 5-9,10,12/12_04.py', wdir='C:/Users/82107/Desktop')
5-9,10,12/12_04.py', wdir='C:/Users/82107/Desktop')
5-9,10,12'')

Dice 객체 5번 :
2
2
6
6
4
4

FraudDice 객체 5번
6
6
5
4
6
6

```

12장 6번

```

1 class Department:
2     def __init__(self, department_name):
3         self.department_name = department_name
4         self.all_course = []
5         self.students = []
6
7     def add_course(self, class_name, credit):
8         newCourse = Course(class_name, credit)
9         self.all_course.append(newCourse)
10        return newCourse
11
12    def add_student(self, student):
13        student.department_name = self.department_name
14        self.students.append(student)
15
16
17
18 class Course:
19     def __init__(self, class_name, credit):
20         self.class_name = class_name
21         self.credit = credit
22
23     def __str__(self):
24         return f"({self.class_name}: {self.credit}학점)"
25
26 class Student:
27     def __init__(self, name, number):
28         self.name = name
29         self.number = number
30         self.department_name = None
31         self.course = []
32
33     def enroll(self, class_name):
34         self.course.append(class_name)
35
36     def __str__(self):
37         info = f"이름 : {self.name} \n학과 : {self.department_name} \n학번 : {self.number} \n수강중인 강좌 : {self.course}"
38         return info
39
40 dept = Department("지능로봇공학") # 학과이름
41
42 # 학생이름, 학과, 학번, 수강중인 강좌, 학점
43 def add_student(self, name, department_name, number, course, credit):
44     student = Student(name, number)
45     student.department_name = department_name
46     student.course.append(course)
47     self.students.append(student)

```

Source Editor

지능로봇공학

No further documentation available

Console 1/A

```

In [162]: runfile('C:/Users/82107/Desktop/숙제 5-9,10,12/untitled12_06.py', wdir='C:/Users/82107/Desktop')
이름 : Heo Ju Young
학과 : 지능로봇공학
학번 : 2021042042
수강중인 강좌 : (미적분학: 3학점) (정보기술 프로그래밍: 2학점)

In [163]: runfile('C:/Users/82107/Desktop/숙제 5-9,10,12/untitled12_06.py', wdir='C:/Users/82107/Desktop')
이름 : Heo Ju Young
학과 : 지능로봇공학
학번 : 2021042042
수강중인 강좌 : (미적분학: 3학점) (정보기술 프로그래밍: 2학점)

In [164]: runfile('C:/Users/82107/Desktop/숙제 5-9,10,12/12_06.py', wdir='C:/Users/82107/Desktop')
이름 : Heo Ju Young
학과 : 지능로봇공학
학번 : 2021042042
수강중인 강좌 : (미적분학: 3학점) (정보기술 프로그래밍: 2학점)

In [165]: runfile('C:/Users/82107/Desktop/숙제 5-9,10,12/12_06.py', wdir='C:/Users/82107/Desktop')
이름 : Heo Ju Young
학과 : 지능로봇공학
학번 : 2021042042
수강중인 강좌 : (미적분학: 3학점) (정보기술 프로그래밍: 2학점)

```