모범 답안

자율과제 1의 모범 답안입니다.

모듈화 하기

life/lotto_creator.py

```
1  def create_lotto():
```

life/lunch_recommandator.py

```
1  def recommand_lunch():
```

life/resident_number_analyzer.py

```
1  def analyze_resident_number():
```

main.py

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```
1   import calculators.grade_calculator
2   import calculators.normal_calculator
3   from calculators import obesity_calculator
4   from calculators.pay_calculator import calculate_pay
5   from games.beskin_rabins_game import validate_input
6   from games import baseball_game
7   from games import beskin_rabins_game
8   from games import crocodile_game
9   from games import rps_game
10  from life import lotto_numbers_creator
11  from life import lunch_recommander
```

```python
12  from life import resident_number_analyzer
13
14  if __name__ == "__main__":
15
16      while True:
17
18          print('''
19  실행하고자 하는 번호를 입력해주세요.
20  0. 종료
21  1. 학점 계산기
22  2. 일반 계산기
23  3. 비만도 계산기
24  4. 급여 계산기
25  5. 야구 게임
26  6. 베스킨라빈스31 게임
27  7. 악어 게임
28  8. 가위바위보 게임
29  9. 로또 추첨기
30  10. 점심 추천기
31  11. 주민번호 분석기
32          ''')
33
34          choice = validate_input("선택 : ", ['0', '1', '2', '3', '4', '5', '6
35
36          if choice == 1:
37              calculators.grade_calculator.calculate_grade()
38          elif choice == 2:
39              calculators.normal_calculator.calculate_two_numbers()
40          elif choice == 3:
41              obesity_calculator.calculate_obesity()
42          elif choice == 4:
43              calculate_pay()
44          elif choice == 5:
45              baseball_game.play_game()
46          elif choice == 6:
47              beskin_rabins_game.play_game()
48          elif choice == 7:
49              crocodile_game.play_game()
50          elif choice == 8:
51              rps_game.play_game()
52          elif choice == 9:
53              lotto_numbers_creator.create_lotto()
54          elif choice == 10:
55              lunch_recommander.recommand_lunch()
56          elif choice == 11:
57              resident_number_analyzer.analyze_resident_number()
58          elif choice == 0:
59              print("프로그램을 종료합니다.")
60              break
```