-HW02 A

```
#list를 입력받는다
    mylist = eval(input("Enter measurements as a list: "))
    #list를 오름차순으로 정렬한다
    mylist.sort()
    #입력 받은 리스트의 크기를 구한다.
    listLen = len(mylist)
    halfLen = int(listLen/2)
    median = 0.0
10
    if(listLen%2 == 0):
                         #짝수개일 경우
        median = (mylist[halfLen - 1] + mylist[halfLen])/2
                          #홀수개일 경우
        #median이 중간값이 된다
        median = mylist[halfLen]
    #출력하다
    print("Median: {0:.1f}".format(median))
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Enter measurements as a list: [10, 3, 5, 6, 1, 8]

Median: 5.5
```

-HW02 B

```
specialNum = 0
#10,000부터 99,999까지 반복
for i in range(10000, 100000):
   num = str(i)
                           #int형을 string으로 바꿈
   reverseNum = str(i*4)
                           #string에는 reverse method가 없기때문에 list로 바꿈
   listNum = list(num)
                           #숫자를 역순으로 바꿈
   listNum.reverse()
   #역순으로 저장한 숫자를 join method를 이용하여 string으로 만들어줌
   if(''.join(listNum) == reverseNum): #두 문자열를 비교하여 같은지 확인
                          #조건을 만족하면 현재 i가 우리가 원하던 숫자가 됨
      specialNum = i
                           #반복을 종료
      break
print("Since 4 x {} is {},".format(specialNum, specialNum*4))
print("the special number is {}.".format(specialNum*4))
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL POR

Since 4 x 21978 is 87912,
the special number is 87912.
PS C:\Users\user\Desktop\2학년 2학기\2023-2-2-AT r
```

-HW02_C

```
annualRateOfInterest, monthlyPayment, begBalance = inputData()
 (intForMonth, redOfPrincipal, endBalance) = calculateValues(annualRateOfInterest, monthlyPayment, begBalance)
 displayOutput(intForMonth, redOfPrincipal, endBalance)
def inputData():
     """데이터 들을 입력받고 그 값들을 return 한다"""
    annualRateOfInterest = eval(input("annual rate of interest: "))
    annualRateOfInterest = eVal(Input( annual
monthlyPaymet = eval(input("Enter monthly payment: "))

//// input of month balance: "))
    return (annualRateOfInterest, monthlyPaymet, begBalance)
def calculateValues(annualRateOfInterest, monthlyPayment, begBalance):
      ""문제 조건에 맞게 값들을 계산한다
    intForMonth = annualRateOfInterest/12/100.0 * begBalance
    redOfPrincipal = monthlyPayment - intForMonth
    endBalance = begBalance - redOfPrincipal
    return(intForMonth, redOfPrincipal, endBalance)
def displayOutput(intForMonth, redOfPrincipal, endBalance):
     '""출력형식에 맞게 값들을 출력한다""
    print("Interest paid for the month: ${:,.2f}".format(intForMonth))
print("Reduction of principal: ${:,.2f}".format(redOfPrincipal))
print("End of month balacne: ${:,.2f}".format(endBalance))
main()
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

W02/HW_C_임영훈.py"
annual rate of interest: 3
Enter monthly payment: 1820
Enter beg. of month balance: 632030
Interest paid for the month: \$1,580.08
Reduction of principal: \$239.92
End of month balacne: \$631,790.07
PS C:\Users\user\Deskton\2호년 2호건\2823-2-2-Al pr