

Outline

Functions

Please trace all

programs

Exercise

- Write a function `find_min_max(num1,num2,num3,num4)` that takes as **input parameters** four numbers and **returns** the minimum and maximum of those values.
- Write another function `sort_numbers(num)` that takes as **input parameter**, a number and compares it with the values returned by the function `find_min_max(num1,num2,num3,num4)`. The function `sort_numbers(num)` **returns** the sorted numbers in ascending order.

Trace the Program

```
if __name__ == '__main__':  
    main()
```

```
def main():  
    i=4  
    y, x = f(i)  
    print(x, y)
```

```
def f(x, y = 3):  
    return x**y, y**x
```

Exercise

Given:

```
def main():  
    score=eval(input("Enter  
score"))  
    print(calculate_grade(score))  
main()
```

Define calculate_grade function that takes as input, a score value and returns the grade.

- If $\text{score} \geq 90$, grade='A'
- If $\text{score} \geq 80$, grade='B'
- If $\text{score} \geq 70$, grade='C'
- If $\text{score} \geq 60$, grade='D'
- Otherwise, grade='F'
- Display Invalid score value message if $\text{score} < 0$. The function should return None.

Exercise

Given:

```
def main():  
    sales_amount=eval(input("Enter sales amount"))  
    commission_rate=eval(input("Enter commission rate"))  
    print(calculate_commission(sales_amount,commission_rate))  
  
main()
```

Define `calculate_commission` that takes 2 formal parameters, sales amount and commission rate and returns the sales commission



Thank you!
Questions?