



VirakAcademy

Python 2025

Exercises 03 and 04

Deadline: 2025 25 April

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Exercise 03: Condition

Number of Questions: 2

Question01 (Condition)

Write a program that takes two strings from the user. The program should do the following:

- If the second string exists within the first string, remove it from the first string.
- Otherwise, add the second string to both the beginning and the end of the first string.

```
age = 12  
average_score = 17.5  
is_verified = True
```

```
username = ""  
status = "False"  
comment = ""  
visits = 0
```

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Question02(Condition)

Write a program that receives the base salary of an employee and calculates the salary after tax deduction. The program should perform the following:

- **If the salary is less than 3000, it is tax-exempt.**
- **If the salary is between 3000 and 5000, apply a 10% tax.**
- **If the salary is between 5000 and 8000, apply a 15% tax.**
- **If the salary is more than 8000, apply a 20% tax.**

The program should display the net salary after applying the appropriate tax.



Exercise 04: Loop

Number of Questions: 3

Question01 (Loop)

Write a program that receives the name and price of five products from the user. The program should perform the following tasks:

- For each product, display its name and price.
- If the price of a product is more than 500, label it as "Expensive", otherwise label it as "Cheap".
- Calculate and display the average price of all products.
- Identify and display the name and price of the cheapest product.
- Identify and display the name and price of the most expensive product.

Question02(Loop)

Write a program that takes a number from the user and calculates its factorial

Question03(Loop)

Write a program that takes the names of five different files from the user and displays how many of them have the .py extension.



GOOD LUCK!

Never give up!

**we're with you every step of
the way at **VirakAcademy****

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