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Analysis report
The one with the travel company

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Step 1 - Understand the problem

Rephrase the problem

A travel company wants to have a program that can calculate the total cost for one passenger. The user has to choose between a budget(500kr), economy(750kr) and a vip(2000kr) ticket. After that they can choose if they want any extras -- like a bag(200kr) and/or a meal(150kr). Lastly, the user can see the total cost on the screen with all the selected options.

Understanding the words

I didn't come across any tricky concepts,

Step 2 - Devising a plan

Approach of choice

Pseudocode:

Assign values to the variables we will be needing.

Print out the types and the prices of the tickets on the screen.

Ask the user to choose the number for the ticket type they want.

Create if and elif statements for every number in front of the ticket type. Change the ticket cost to the price of the chosen ticket type.

Create a loop that stops when the user wants to finalize the purchase(when the user input is 5).

Inside the loop the amount of bags and meals will be printed.

Inside the loop the user can add and remove them by writing in the number in front of the option type. Depending on the number an according if statement will be true. In the if statement a variable for a bag or a meal will be reassigned to be 1 or 0.

Lastly if the input number is 5 the receipt will be printed out - prices of the ticket, meal, bag and the total amount.