

## INTRODUCTION: RECAP OF BASIC PROGRAMMING CONCEPTS

### PRACTICAL Workshop 1 [25]

Submit/deadline: 06 Aug 2021 11:55 PM

#### Instructions:

You are requested to answer the following question and upload your solution back to vula. You can use the executable file to guide you – to see how the potential output could look like. **Failure to submit to vula will have a consequence on your DP. No bad submissions (for examples files that cannot be opened or files that are corrupt) will be accepted**

#### Phase 1:

Ayanda Mkhize owns an image consulting shop *Ayanda CC*. Her clients can select from the following services at the specified regular prices: Makeover R125, Hair Styling R60, Manicure R35, and Permanent Makeup R200. She has distributed discount coupons that advertise discounts of 10 percent and 20 per-cent off the regular price. You are required to create **a menu driven project** that will allow the receptionist to select a discount rate of 10 percent, 20 percent, or none, and then select a service. Display the price for the individual service and the total due after each visit is completed. Menu's that can be used in the program include:

**File** |Calculate

|Exit

**Edit** |Clear

|Font size

|Font color

**About**| Ayanda CC

A good program should handle exceptions and provide user friendly guidance. The *About Menu* item will summaries the purpose of this program in a message box. The *Font menu item* changes the calculated individual service and the total due after each visit as follows: Font = Tempus Sans ITC; Style = Bold; Size = 12. The *Color menu item* will change the back color of these controls to yellow.

#### Phase 2: Maintain summaries

Modify the program to allow for sales to additional patrons. Include a sub menu item for *Next Patron* and *Summary*. When the receptionist clicks *summary*, display in a summary message box the number of clients and the total dollar value for all services rendered. For *Next Patron*, confirm that the user wants to clear the totals for the current customer.

The executable file example that was provided, should be seen as the minimum requirements your program should meet. If you want to go overboard with the program – you are welcome 😊!

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