

Suppose you are a back-end programmer in a mobile operator company and your boss has given you a task to write a program in C that displays all the bundle the company offers. Upon the selection of an input digit (1-9) a user can purchase the following packages. The various kinds of offers include:

- 1: SMS Offer: **a:** 50 sms: 5.99 taka, **b:** 100 sms: 8.02 taka, **c:** 300 sms: 15.00 taka; each validity 7 days
- 2: Talk-Time Offer: **a:** 50 minutes: 31.95 taka, **b:** 300 minutes: 179.89 taka, **c:** 1000 minutes: 599.63 taka; each validity 15 days
- 3: Internet Offer: **a:** 100 MB: 42.70 taka, **b:** 250 MB: 52.37 taka, **c:** 1.5 GB: 93.95 taka; each validity 30 days
- 4: Monthly Plan Offer: **a:** 500 MB, 200 SMS, 100 minutes Talk-Time: 293.47 taka; validity 30 days
- 5: Recharge Offer: **a:** 250 MB, 20 SMS: on 29 taka recharge; validity 21 days
- 6: Star Customer Offer: **a:** 3 GB, 100 minutes, 50 sms: 120 taka; validity 45 days
- 7: Gold Customer Offer: **a:** 5GB, 150 minutes, 100 sms: 130 taka; validity 45 days
- 8: Platinum Customer Offer: **a:** 9 GB, 200 minutes, 150 sms: 150 taka; validity 45 days
- 9: Pay as you Go: **a:** .60 taka per second; validity till balance remains
- 0: exit the program

Selecting a particular package, the user needs to select the sub options (a, b, c, d, e, ...) to purchase the actual bundle.

Executing the program, you will at first, display the above options to the user and **ask the user to choose an offer with respective order of inputs matching above from 1 to 9. When the user chooses an option the program will output which option user had chosen from the aforementioned list and on the next line the price of the offer.** After that, your program should successfully return. The program should be kept running till the user enters 0 as input.

You need to implement several user defined functions with one/multiple pointers as input parameters to implement the scenario.