

CS112: Programming & Data Structure Laboratory

Assignment -2

Assignment Date: 12/04/2022

Submission deadline: Today 16.55pm

1. Government brings a house building project for its citizen. It declares 30 sqm floor area for the people in BPL (less than 1 lakh per annum) @ 5000 per sqm. However they are allowed up to 40 sqm where additional sqm will cost 8000 per sqm. For any citizen who are not BPL with earning less than 5 lakh per annum can go for 40 sqm floor area @ 7000 per sqm and can have up to additional 10 sqm with rate 10000 per sqm. For anyone else, they can have a floor area of 50 sqm @ 9000 per sqm and go for additional 10 sqm with additional cost of 11000 per sqm. Take the input from user, (income level, and floor area in sqm) and compute the cost. If sqm is not allowed for a particular income level print appropriate message.

[4]

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2. During Holi, Amzon offers a sale on few mobiles. If you have a HDFC credit card then you can avail 10% off (max 1250, purchase value should be more than 10000), if you have a SBI credit card, you can avail 15% off (max 1250, purchase value should be more than 15000) and if you have a Axis bank credit card then you can avail 5% off (max 2000, no purchase constraint). If you are a prime member then you can avail additional 5% off (unlimited). Someone might not have any of the above mentioned card or may have more than one above mentioned card. Take following input from user – cost of mobile, regarding cards a person have and prime membership. Compute what would be final price of the chosen mobile and what card (if any of the above card is used, otherwise you may print using some ordinary card) is used for purchase.

[6]

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