

We will have to develop a ride sharing app like Uber or Pathao, but a miniature version. There are three types of transportation options - car, motorcycle and bicycle. The bill is calculated as follows.

1. Base fare (Every ride starts with this amount):
  - a. Car: 50 Taka
  - b. Motorcycle: 30 Taka
  - c. Bicycle: 20 Taka
2. Distance fare:
  - a. Car: 25 Taka / km
  - b. Motorcycle: 15 Taka / km
  - c. Bicycle: 10 Taka / km
3. Duration fare: 2 Taka/minute
4. Total fare = Base fare + Distance fare + Duration fare
5. Promo fare: Promo code is applied on total fare
6. If payment is done online instead of cash, a flat 10% discount is applied on the promo fare. This is the grand total fare applied for the ride.

There can be three types of promo

1. Flat: flat 50 taka discount
2. Percent: 20% discount
3. Capped percent: 25% discount, but maximum 60 taka.

Let's assume that we live in a ideal city where the vehicles move in a constant speed.

- Car: 60km/hour
- Motorcycle: 70km/hour
- Bicycle: 20km/hour

Input/Output

1. User chooses a transportation option
2. User chooses the distance s/he wants to travel
3. The duration is calculated automatically
4. Based on the user's chosen promo code, the promo fare is calculated
5. Based on payment option, the grand total fare is calculated
6. At the end, user can see the grand total fare with break down as follows
  - Base fare: b taka
  - Distance fare: d taka (dd KM)
  - Duration fare: u taka (uu minutes)
  - Total fare: t taka
  - Promo fare: p taka (pp% or pp taka)
  - Online payment discount: n taka (10%) // only show if online payment is chosen
  - Grand total fare: G taka

\*\*Take input from keyboard. No need to make any User Interface (UI) for taking input.