

## Rent a Ride

As a customer to Rent a Ride you book a cab. We charge you as per the distance covered. We charge **8rs/km**.

The moment you click the button to RIDE, we search for the **nearby drivers** who will accept your ride.

Suppose there are 15 drivers near your location, then we send the request to the first driver who is closest to you, then the second, and so on.

There are few conditions though, on the basis of which we can not send the request to the nearby driver.

### **Condition 1:**

If the driver rating is lower than 4. (out of 5)

### **Condition 2:**

If you selected a specific car, and that car driver is not the closest one.

In case there is no driver present as per your request for the car, we will ask you to select some other car.

Let's see an example

Driver	Car Model	Rating	DistanceFromCustomer
A	Sedan	4	500m
B	HatchBack	4.3	1km
C	5 Seater	4.8	200m
D	Sedan	4.1	700m
E	HatchBack	4.7	430m

The customer booked a cab asking for a sedan. The total distance that will occur is 43km.

The driver with the closest distance is C but it is not a Sedan, therefore we will look for Sedan. Driver A(500) and Driver D(700). Both have rating greater than 4.

Driver A gets the request first because he is the closest driver.

Driver A accepts the request. There is not mechanism now a driver can cancel the request. Unless he/she doesn't fit in the criteria.

### **Sample Input: 1**

Customer Ride Distance: 43km

Car Requested: Sedan

List of Drivers with Details:

Driver	Car Model	Rating	DistanceFromCustomer
A	Sedan	4	500m
B	HatchBack	4.3	1km
C	5 Seater	4.8	200m
D	Sedan	4.1	700m
E	HatchBack	4.7	430m

**Sample Output:** Driver A will get you to the destination.

Your charge will be Rs 344 (43\*8).

**Sample Input: 2**

Customer Ride Distance: 20.5 km

Car Requested: HatchBack

List of Drivers with Details:

Driver	Car Model	Rating	DistanceFromCustomer
A	HatchBack	3	500m
B	HatchBack	4.3	1km
C	5 Seater	4.8	200m
D	Sedan	4.1	700m
E	HatchBack	4.7	430m

**Sample Output:** Driver E will get you to the destination.

Your charge will be Rs164 (20.5\*8)

**Extension:-**

The driver can Cancel the request if the ride is not their preferred destination.

**Sample Input:-**

Customer Ride Distance: 60km

Car Requested: 5 seater

Destination: Delhi

List of with Details:

Driver	Car Model	Rating	DFC	PReffDestination
A	5 Seater	4	500m	Gurgaon, Noida, Delhi
B	HatchBack	4.3	1km	Gurgaon
C	5 Seater	4.8	200m	Noida

D	Sedan	4.1	700m	Noida
E	5 Seater	4.7	430m	Delhi

### **Sample Output:**

Driver E will take you to the destination

Your charge will be Rs 480 (60\*8)

### **Explanation:-**

The request goes to Driver C first. As he is the closest and rating is good. But he cancels the request, so the next request goes the Driver E.