

## Expected Output:

### 1. Road Details

Enter name of the vehicle : ~~the~~

Enter Variant of the vehicle :

(a) Hatch back

(b) Sedan

(c) SUV

(d) MUV

Choose Variant (0, 1, 2, 3) : 1

Enter cost of the sedan (8L - 12L) :

Enter colour of the vehicle :

Enter number of the vehicles available :

Enter booking period (open - 1, close - 0) :

Enter name of the customer :

Enter gender :

Occupation :

(a) Defence worker

(b) Ex - defence worker

(c) Neither

Choose Occupation (0, 1, 2) :

Enter Booking ID : 3

### 2. Bill Calculation

Total cost :

Discount Amount :

Cost after discount :

### 3. Print details

----- INVOICE -----

Name of the customer :



Ex.No. 7	Title : USER DEFINED FUNCTIONS
Date : 18-10-2021	

### Algorithm

Step 1 : Start

Step 2 : Declare functions for 1. Read details , 2. Bill calculations , 3. Print details.

Step 3 : Declare all the necessary variables.

Step 4 : Read the variables under the "Read details" function.

Step 5 : If  $dfenc == 0$  ||  $dfenc == 1$ ,  $dcost = ucost - (ucost * 0.1)$  and display discount value under the "Bill calculation" function, else display cost value under the "Bill calculation" function.

Step 6 : Display the variables under the "Print details" function.

Step 7 : Stop



Booking ID:

Name of the vehicle:

Variant: Sedan

Colour:

Cost after discount:

No of vehicles available:

Booking:

### Sample Output:

1. Read Details

Enter name of the vehicle: Honda

Variant of the vehicle:

(a) Hatchback

(b) Sedan

(c) SUV

(d) MUV

Choose Variant (0, 1, 2, 3): 1

Enter cost of Sedan (8L-12L): 954321.25

Enter colour of the vehicle: Red

Enter number of vehicles available: 1465

Enter booking period (open-1, close-0): 1

Enter name of customer: Ashuath

Enter gender: Male

Occupation:

(a) Defence

(b) Ex-defence worker

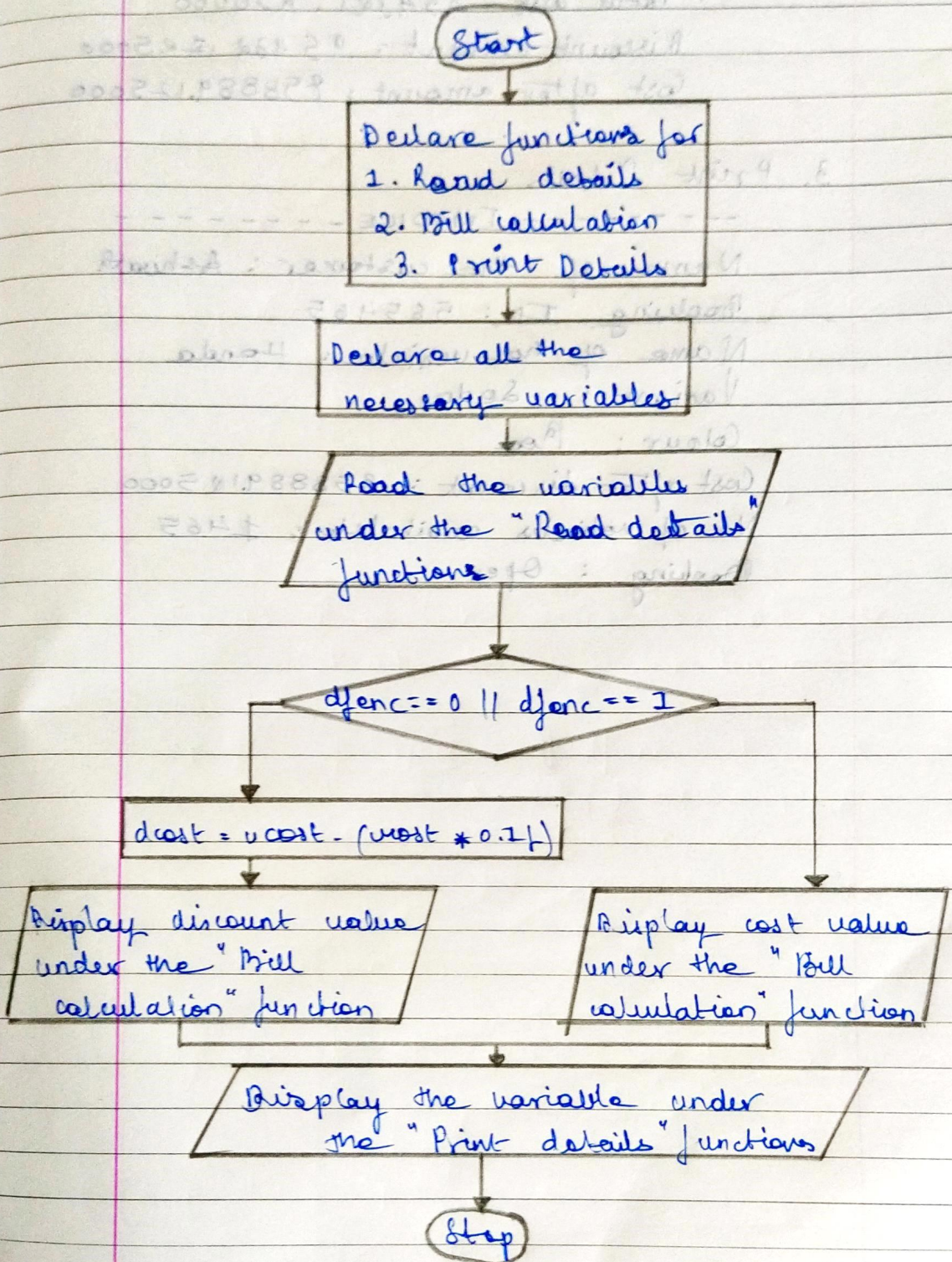
(c) Neither

Choose Occupation (0, 1, 2): 1

Enter booking ID: 565465



## Flow chart





## 2. Bill Calculation

Total cost : 954321.250000

Discount amount : 95432.25000

Cost after amount : 858889.125000

## 3. Print Details

-----INVOICE-----

Name of the customer : Ashwath

Booking ID : 565465

Name of the vehicle : Honda

Variant : Sedan

Colour : Red

Cost after discount : 858889.125000

No. of vehicles available : 465

Booking : Open