ABC car showroom sells various types of cars such as Hatchback, Sedan,

SUVs, and MUV. Due to the year-end sale, the showroom provides a 3%, 5%,

10%, and 15% discount for various car models Hatchback, Sedan, SUV, and

MUV respectively. Also applies 12% of GST for the total amount of purchase

Write a C program to implement the above scenario which will read the

type\_of\_the\_car, price\_of\_the\_car and extra-fitting\_price\_of\_the\_car as input

from the user and estimate the Net amount to be paid to the showroom. If the

type of car is other than Hatchback, Sedan, SUV, and MUV then display

“Invalid Type”. (Difficulty Level: Easy)

The net amount to be paid to the showroom is estimated as follows:

(For example-if the purchased car is Hatchback)

Total = price\_of\_the\_car + extra-fitting\_price\_of\_the\_car

Discount = Total \* 0.03 // 0.03 denotes 3%

wastage

gst = (Total - Discount) \* 0.12 // 0.12 denotes

12% GST

net = Total – Discount + gst

#include <stdio.h>

int main() {

char carType[10];

float price, fittingPrice, total, discount, gst, net;

printf("Enter the type of car (Hatchback/Sedan/SUV/MUV): ");

scanf("%s", carType);

printf("Enter the price of the car: ");

scanf("%f", &price);

printf("Enter the extra-fitting price of the car: ");

scanf("%f", &fittingPrice);

total = price + fittingPrice;

if (strcmp(carType, "Hatchback") == 0) {

discount = total \* 0.03;

} else if (strcmp(carType, "Sedan") == 0) {

discount = total \* 0.05;

} else if (strcmp(carType, "SUV") == 0) {

discount = total \* 0.1;

} else if (strcmp(carType, "MUV") == 0) {

discount = total \* 0.15;

} else {

printf("Invalid Type\n");

return 0;

}

gst = (total - discount) \* 0.12;

net = total - discount + gst;

printf("Net amount to be paid to the showroom: %.2f\n", net);

return 0;

}

