Price Estimation of Used Cars

END TERM REPORT

by

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Student Declaration

This is to declare that this report has been written by us. No part of the report is copied from other sources. All information included from other sources have been duly acknowledged . We aver that if any part of the report is found to be copied. We shall take full responsibility for it.

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Date: 6th April 6, 2020.

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BONAFIDE CERTIFICATE

Certified that this project report PRICE ESTIMATION OF USED CARS is the bonafide work of SUDHIR SIDHAARTHAN B, HARSH YADAV and NARAYAN YADAV who carried out the project work under my supervision.

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1. Description

   This is a project in which the estimated price of a used car can be calculated.

   This is a very simple program done using python. This program calculates the estimated price of the used cars by certain factors such as mileage, kilometers driven and the condition of the car.

2. Code

```
print("\t\tEstimation of price of used Cars")
company=input("Enter the make of the car")
model=input("Enter the model of the car")
year=int(input("Enter the year in which the car is made"))
km=int(input("Enter the distance driven in the car"))
mileage=int(input("Enter the mileage of the car"))
damage=int(input("Enter the number of damages/dents in the car"))
int_condition=input("Enter the internalcondition of the car(bad,avergae,good,verygood)")
ext_condition=input("Enter the external condition of the car(bad,average,good,verygood)")
print("The details of the car")
print("Brand - ",company)
print("Model - ",model)
print("Made in year - ",year)
print("Kilometres driven - ",km)
print("Mileage - ",mileage)
print("No of dents - ",damage)
```

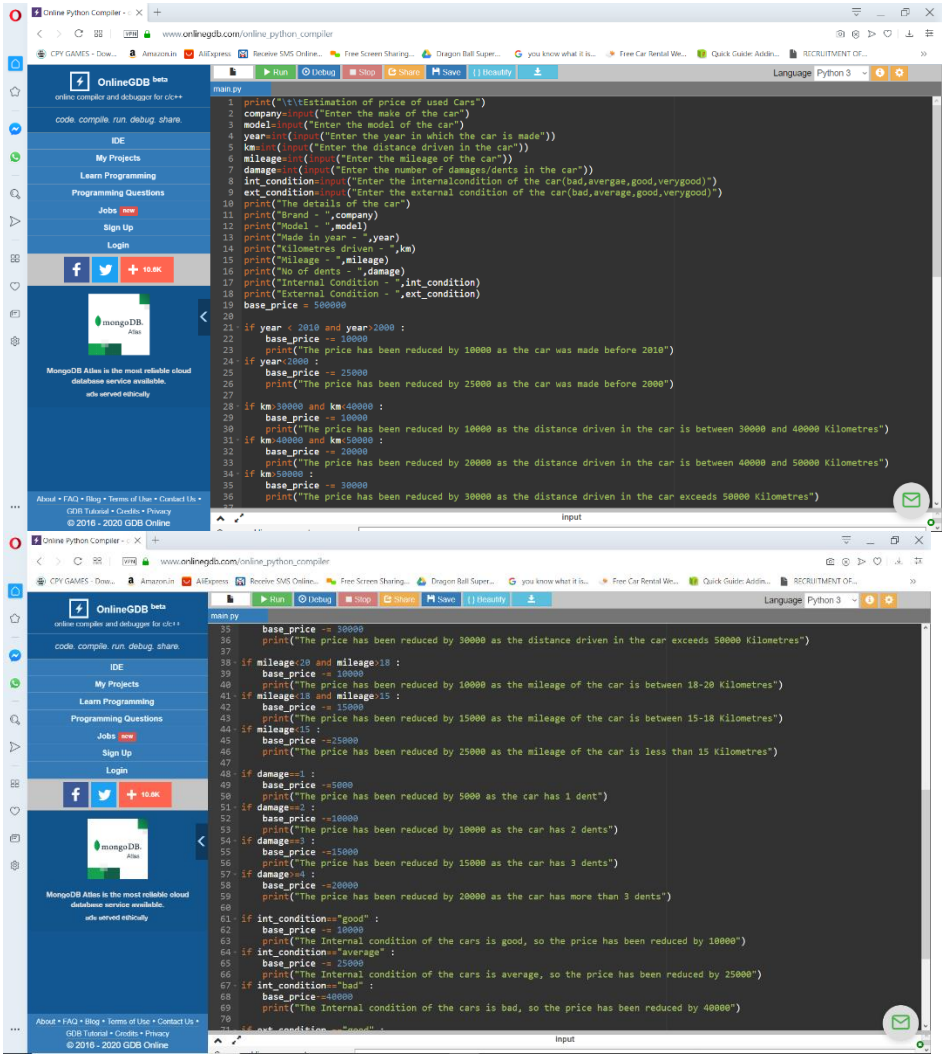
```
print("Internal Condition - ",int_condition)
print("External Condition - ",ext_condition)
base_price = 500000

if year < 2010 and year>2000 :
    base_price -= 10000
    print("The price has been reduced by 10000 as the car was made before 2010")
if year<2000 :
    base_price -= 25000
    print("The price has been reduced by 25000 as the car was made before 2000")

if km>30000 and km<40000 :
    base_price -= 10000
    print("The price has been reduced by 10000 as the distance driven in the car is between 30000 and 40000 Kilometres")
if km>40000 and km<50000 :
    base_price -= 20000
    print("The price has been reduced by 20000 as the distance driven in the car is between 40000 and 50000 Kilometres")
if km>50000 :
    base_price -= 30000
    print("The price has been reduced by 30000 as the distance driven in the car exceeds 50000 Kilometres")
```

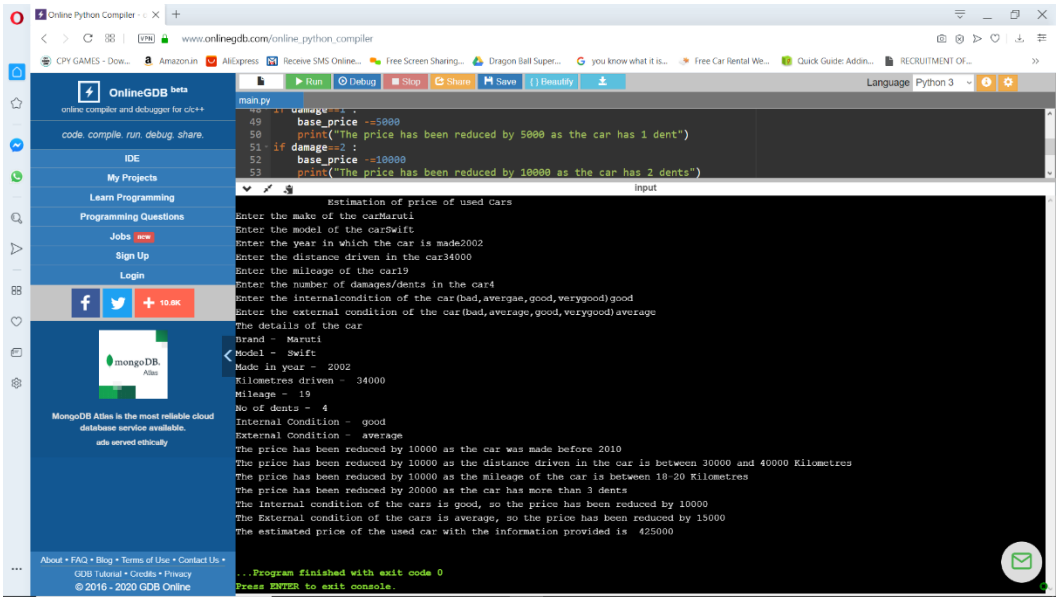
```
if mileage<20 and mileage>18 :
    base_price -= 10000
    print("The price has been reduced by 10000 as the mileage of the car is between 18-20 Kilometres")
if mileage<18 and mileage>15 :
    base_price -= 15000
    print("The price has been reduced by 15000 as the mileage of the car is between 15-18 Kilometres")
if mileage<15 :
    base_price -=25000
    print("The price has been reduced by 25000 as the mileage of the car is less than 15 Kilometres")


if damage==1 :
    base_price -=5000
    print("The price has been reduced by 5000 as the car has 1 dent")
if damage==2 :
    base_price -=10000
    print("The price has been reduced by 10000 as the car has 2 dents")
if damage==3 :
    base_price -=15000
    print("The price has been reduced by 15000 as the car has 3 dents")
if damage>=4 :
    base_price -=20000
    print("The price has been reduced by 20000 as the car has more than 3 dents")
```

```
if int_condition=="good" :
    base_price -= 10000
    print("The Internal condition of the cars is good, so the price has been reduced by 10000")
if int_condition=="average" :
    base_price -= 25000
    print("The Internal condition of the cars is average, so the price has been reduced by 25000")
if int_condition=="bad" :
    base_price-=40000
    print("The Internal condition of the cars is bad, so the price has been reduced by 40000")


if ext_condition =="good" :
    base_price -=7500
    print("The External condition of the cars is good, so the price has been reduced by 7500")
if ext_condition=="average" :
    base_price -=15000
    print("The External condition of the cars is average, so the price has been reduced by 15000")
if ext_condition=="bad" :
    base_price -=25000
    print("The External condition of the cars is bad, so the price has been reduced by 25000")
```

print("The estimated price of the used car with the information provided is ",base_price)

3. Screenshots

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Run
Debug
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Save
{ } Beautify
Language
Python 3
main.py
if damage==1 :
base_price -=5000
print("The price has been reduced by 5000 as the car has 1 dent")
if damage==2 :
base_price -=10000
print("The price has been reduced by 10000 as the car has 2 dents")
input
Estimation of price of used Cars
Enter the make of the carMaruti
Enter the model of the carSwift
Enter the year in which the car is made2002
Enter the distance driven in the car34000
Enter the mileage of the car19
Enter the number of damages/dents in the car4
Enter the internalcondition of the car(bad,avergae,good,verygood)good
Enter the external condition of the car(bad,average,good,verygood)average
The details of the car
Brand - Maruti
Model - Swift
Made in year - 2002
Kilometres driven - 34000
Mileage - 19
No of dents - 4
Internal Condition - good
External Condition - average
The price has been reduced by 10000 as the car was made before 2010
The price has been reduced by 10000 as the distance driven in the car is between 30000 and 40000 Kilometres
The price has been reduced by 10000 as the mileage of the car is between 18-20 Kilometres
The price has been reduced by 20000 as the car has more than 3 dents
The internal condition of the cars is good, so the price has been reduced by 10000
The External condition of the cars is average, so the price has been reduced by 15000
The estimated price of the used car with the information provided is 425000
...Program finished with exit code 0
Press ENTER to exit console.