CAR CUSTOMIZATION

Code :

import java.util.Scanner;  
  
public class Car {  
 static String userChoice(Scanner sc,String message,String[] options){  
 System.*out*.println("\n"+message);  
 for(int i=0;i< options.length;i++){  
 System.*out*.println(i+1+" "+options[i]);  
 }  
 int choice=-1;  
 while(true){  
 System.*out*.println("Enter Your Choice(1-"+options.length+"):");  
 if(sc.hasNext()){  
 choice=sc.nextInt();  
 if(choice>=1&&choice<= options.length){  
 sc.nextLine();  
 return options[choice-1];  
 }  
 }else sc.nextLine();  
 System.*out*.println("Invalid Input Please Try Again");  
 }  
 }  
 public static void main(String[] args) {  
 Scanner sc=new Scanner(System.*in*);  
 System.*out*.println("---------Car Customization------------");  
 String[] manufacturers={"Mahindra","Tata","Maruti"};  
 String manufacture=*userChoice*(sc,"Car Manufacturer",manufacturers);  
  
 String[] models;  
 switch (manufacture){  
 case "Mahindra":  
 models=new String[]{"Scorpio","Thar","Scorpio N","XUV 7000"};  
 break;  
 case "Tata":  
 models=new String[]{"Harrier","Safari","Nexon","Punch"};  
 break;  
 case "Maruti":  
 models=new String[]{"Swift","Baleno","Ertiga","Brezza"};  
 break;  
 default:  
 models=new String[]{"Unknown"};  
 }  
 String model=*userChoice*(sc,"Model ("+manufacture+"):",models);  
  
 String[] transmissionOption={"Manual","Automatic"};  
 String transmission=*userChoice*(sc,"Transmission Varient",transmissionOption);  
  
 String[] fuelType={"Diesel","Petrol","CNG"};  
 String fuel=*userChoice*(sc,"Fuel Type",fuelType);  
  
 String[] colors={"Silver","Blue","Yellow"};  
 String color=*userChoice*(sc,"Color",colors);  
  
 String[] locations={"Delhi","Bangalore","Hyderabad","Chennai"};  
 String location=*userChoice*(sc,"Location",locations);  
  
 System.*out*.println("\n--------Selected Car Build----------");  
 System.*out*.println("Manufacturer: "+manufacture);  
 System.*out*.println("Model: "+model);  
 System.*out*.println("Transmission: "+transmission);  
 System.*out*.println("Fuel Type: "+fuel);  
 System.*out*.println("Color: "+color);  
 System.*out*.println("Delivery Location: "+location);  
 System.*out*.println("\n----------Hers Is Your Customized Car--------------");  
  
  
 }  
}

Output:

A black screen with white text

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A black rectangle with white text

AI-generated content may be incorrect.

A black screen with white dots

AI-generated content may be incorrect.

Tax Calculation

Code:

package Tax;  
  
import java.util.Scanner;  
  
public class TaxCaculate {  
 static double calculateTax(double income,int age){  
 double tax=0;  
 if(age<60){  
 if(income<=250000) tax=0;  
 else if(income<=500000) tax=(income-250000)\*0.05;  
 else if(income<=1000000) tax=12500+(income-500000)\*.20;  
 else tax=112500+(income-1000000)\*.30;  
 }else if(age<=80){  
 if(income<=300000) tax=0;  
 else if(income<=500000) tax=(income-300000)\*.05;  
 else if(income<=1000000) tax=10000+(income-500000)\*.20;  
 else tax=110000+(income-1000000)\*.30;  
 }else{  
 if(income<=500000) tax=0;  
 else if(income<=1000000) tax=(income-500000)\*.20;  
 else tax=100000+(income-1000000)\*.30;  
 }  
 return tax;  
 }  
 public static void main(String[] args) {  
 Scanner sc=new Scanner(System.*in*);  
 System.*out*.print("Enter You Annual Salary(INR): ");  
 double salary=sc.nextDouble();  
  
 System.*out*.print("Enter Your Age(In Years): ");  
 int age =sc.nextInt();  
  
 System.*out*.print("Enter Investment in Tax-Saving Instruments(INR): ");  
 double investment=sc.nextDouble();  
  
 System.*out*.print("Enter Annual Health Insurance Premium(INR): ");  
 double healthInsurance=sc.nextDouble();  
  
 System.*out*.print("Enter Annual Home Loan Interest Paid(INR): ");  
 double homeLoanInterest=sc.nextDouble();  
  
 double deduction80C=Math.*min*(investment,150000);  
  
 double deduction80D;  
 if(age>=60) deduction80D=Math.*min*(healthInsurance,50000);  
 else deduction80D=Math.*min*(healthInsurance,25000);  
  
 double deductionn24=Math.*min*(homeLoanInterest,200000);  
 double totalDeduction=deduction80C+deduction80D+deductionn24;  
  
 double taxIncome=salary-totalDeduction;  
 if(taxIncome<0) taxIncome=0;  
  
 double tax=*calculateTax*(taxIncome,age);  
  
 System.*out*.println("-------Tax Calculation Summary-----------");  
 System.*out*.println("Gross Salary: "+salary);  
 System.*out*.println("Total Deduction: "+totalDeduction);  
 System.*out*.println("Taxable Income: "+taxIncome);  
 System.*out*.println("Total Tax Owned: "+tax);  
 }  
}

Output:

A screen shot of a computer

AI-generated content may be incorrect.