

```

1  /*#####*/
2  /*HW01_HASAN_MEN_131044009_part3.c */
3  /* */
4  /*Written by Hasan MEN on February 19, 2015 */
5  /* */
6  /*Description: */
7  /* */
8  /*This program reads car information from input file and */
9  /*compute total fuel cost */
10 /*INPUT: */
11 /* */
12 /* -amount of consumed fuel,price of fuel */
13 /* -total km,car number */
14 /*OUTPUT: */
15 /* */
16 /* -car number */
17 /* -Total fuel costs(tl and kurus) */
18 /*#####*/
19 #include <stdio.h>
20
21 int main(){
22     /*START_OF_MAIN*/
23     int carNum1,carNum2,carNum3;
24     double amount1,price1,totalKm1;
25     double amount2,price2,totalKm2;
26     double amount3,price3,totalKm3;
27     double totcost1,totcost2,totcost3;
28     FILE *car;
29     FILE *cost;
30     /*END_OF_VARIABLES*/
31
32     /*open_i/o_file*/
33     car = fopen("Cars.txt","r");
34     cost = fopen("TotalFuelCosts.txt","w");
35
36     /*Read car information from Cars.txt*/
37     printf("Reading Information from Car.txt\n");
38
39     fscanf(car,"%d%lf%lf%lf",&carNum1,&amount1,&price1,&totalKm1);
40     fscanf(car,"%d%lf%lf%lf",&carNum2,&amount2,&price2,&totalKm2);
41     fscanf(car,"%d%lf%lf%lf",&carNum3,&amount3,&price3,&totalKm3);
42
43     /*Print car information on screen*/
44     printf("CarNumber\tFuel\tPrice\tTotalKM\n");
45     printf("%d\t%.2f\t%.2f\t%.2f\n",carNum1,amount1,price1,totalKm1);
46     printf("%d\t%.2f\t%.2f\t%.2f\n",carNum2,amount2,price2,totalKm2);
47     printf("%d\t%.2f\t%.2f\t%.2f\n",carNum3,amount3,price3,totalKm3);
48
49     /*Compute total costs */
50     totcost1 = amount1*price1*totalKm1;
51     totcost2 = amount2*price2*totalKm2;
52     totcost3 = amount3*price3*totalKm3;
53
54     /*Print total costs in tl and kurus*/
55     /* (int)((totcost1-(int)totcost1)*100) */
56     printf("The total fuel cost of the car %d is %d TL and %d Kurus \n",carNum1,
57     (int)totcost1,(int)((totcost1-(int)totcost1)*100));
58     printf("The total fuel cost of the car %d is %d TL and %d Kurus \n",carNum2,
59     (int)totcost2,(int)((totcost2-(int)totcost2)*100));
60     printf("The total fuel cost of the car %d is %d TL and %d Kurus \n",carNum3,
61     (int)totcost3,(int)((totcost3-(int)totcost3)*100));
62
63     /* printf only item codes and fuel costs in output file */
64     fprintf(cost,"%d %.2f\n%d %.2f\n%d %.2f",carNum1,totcost1,carNum2,totcost2,
65     carNum3,totcost3);
66
67     /*CLOSE_FILE*/
68     fclose(car);
69     fclose(cost);
70     return 0;
71 }
72 /*#####*/
73 /* END_OF_HW01_HASAN_MEN_131044009_part2.c */
74 /*#####*/

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