```c
#include<stdio.h>
#include<string.h>
struct product
{
int pno;
char pname[10];
float cost;
int nop;
}p;
struct bill
{
char name[10];
float booked;
float cost;
}b;
struct view
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default:
printf("\nthank you");
break;
}
}while(ch!=9);
}
void administrator()
{
FILE *fp,*temp;
int ch,y,x,a,yes,id;
long c;
while(a!=0)
{
printf("1.add\n2.edit\n3.delete\n4.view products\n0.exit(0)\n");
printf("enter your choice : ");
scanf("%d",&ch);
switch(ch)
{
case 1:
fp=fopen("product.txt","a+");
while(y!=0)
{
printf("enter product id : ");
scanf("%d",&p.pno);
printf("enter product name : ");
scanf("%s",p.pname);
printf("enter cost : ");
scanf("%f",&p.cost);
printf("enter no. of products : ");
scanf("%d",&p.nop);
fwrite(&p,sizeof(p),1,fp);
printf("Do you want to add 1 more (1.yes
0.no) : ");
scanf("%d",&y);
}
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fclose(fp);
break;
case 2:
fp=fopen("product.txt","r+");
//rewind(fp);
do{
printf("enter product no. that u want to edit : ");
scanf("%d",&x);
while((fread(&p,sizeof(p),1,fp))>0)
{
if(x==p.pno)
{
printf("enter details of product
::::\n");
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printf("enter product no. : ");
scanf("%d",&p.pno);
printf("enter product name : ");
scanf("%s",p.pname);
printf("enter product cost : ");
scanf("%f",&p.cost);
printf("enter no. of products : ");
scanf("%d",&p.nop);
c=ftell(fp)-sizeof(p);
fseek(fp,c,0);
fwrite(&p,sizeof(p),1,fp);
}
break;
}
printf("\ndo you want to edit 1 more (1:yes 0:no) : ");
scanf("%d",&yes);
}while(yes!=0);
 break;
case 3:
fp=fopen("product.txt","r");
temp=fopen("temp.txt","w+");
printf("enter product id u wish to delete : ");
scanf("%d",&id);
rewind(fp);
while((fread(&p,sizeof(p),1,fp)>0))
{
if(id!=p.pno)
{
fwrite(&p,sizeof(p),1,temp);
}
}
fclose(fp);
fclose(temp);
remove("product.txt");
rename("temp.txt","product.txt");
break;
case 4:
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fp=fopen("product.txt","r");
rewind(fp);
while((fread(&p,sizeof(p),1,fp))!=NULL)
{
printf("\n----------------------------");
printf("\nproduct id : %d ",p.pno);
printf("\nproduct name : %s ",p.pname);
printf("\nproduct cost : %f ",p.cost);
printf("\nno. of products available : %d ",p.nop);
printf("\n-----------------------------------");
}
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fclose(fp);
break;
default :
printf("thank u\n ");
break;
}
printf("\ndo you want to continue 1.yes 0.no :");
scanf("%d",&a);
}
}
void customer()
{
int ch,item,x,i;
FILE *fp;
FILE *sp;
fp=fopen("product.txt","r");
sp=fopen("select.txt","a+");
while((fread(&p,sizeof(p),1,fp)>0))
{
printf("\n----------------------------");
printf("\nproduct id : %d ",p.pno);
printf("\nproduct name : %s ",p.pname);
printf("\nproduct cost : %f ",p.cost);
printf("\nno. of products available : %d ",p.nop);
printf("\n-----------------------------------");
printf("\n Do you want to buy 1.yes 0.no : ");
scanf("%d",&ch);
if(ch==1)
{
printf("\n enter no. of items u want to buy : ");
scanf("%d",&item);
if(item>p.nop)
{
printf("\n these many items r not available ");
printf("\nAvailable no. of items are : %d ",p.nop);
do
{
printf("\nenter no. of items u want to buy : ");
scanf("%d",&item);
}while(item>p.nop);
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}
b.booked=item;
for(i=0;p.pname[i]!=NULL;i++)
{
b.name[i]=p.pname[i];
}
b.cost=p.cost;
fwrite(&b,sizeof(b),1,sp);
}
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printf("\ndo you want to continue shopping 1. yes 0.no : ");
scanf("%d",&x);
if(x==0)
break;
}
fclose(fp);
fclose(sp);
billing();
}
void billing()
{
FILE *sp,*xp;
xp=fopen("view.txt","w");
sp=fopen("select.txt","r");
float total=0.0,cost;
rewind(sp);
printf("\nEnter ur name : ");
scanf("%s",v.cname);
while((fread(&b,sizeof(b),1,sp))>0)
{
cost=0.0;
printf("ITEM NAME\tCOST\t\tNO.OF iTEMS\t\tTOTAL\n");
cost=b.cost*b.booked;
printf("%s\t\t%f\t%f\t\t%f\n",b.name,b.cost,b.booked,cost);
total=total+cost;
}
v.total=total;
fwrite(&v,sizeof(v),1,xp);
fclose(xp);
}
void viewbill()
{
FILE *xp;
xp=fopen("view.txt","r");
rewind(xp);
while((fread(&v,sizeof(v),1,xp))!=NULL)
{
printf("\nCUSTOMER NAME : %s ",v.cname);
printf("\nAmount : %f\n",v.total);}}
```