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#include<stdio.h>
int main(){
int N,n,n1,n2;
float t,d,final_bill,T=0;
printf("Enter total number of coustmers: ");
scanf("%d",&N);
for(int i=1;i<=N;i++)
{
printf("\n Coustmer %d\n\n",i);
printf("Menu Card:\n\n");
printf("Code Item Name Price($)\n");
printf("1 Sandwich 80\n");
printf("2 Burger 120\n");
printf("3 Pizza Slice 150\n");
printf("4 Coffee 60\n");
printf("5 Juice 50\n");
printf("\n\nEnter number of items: ");
scanf("%d",&n);
t=0;
for(int j=0;j<n;j++)
{
printf("Enter item code: ");
scanf("%d",&n1);
printf("Enter quantity: ");
scanf("%d",&n2);
d=0;
switch(n1)
{
case 1 : printf("SandwichX%d=%d\n",n2,n2*80);
t+=80*n2;
break;
case 2 : printf("BurgerX%d=%d\n",n2,n2*120);
t+=120*n2;
break;
case 3 : printf("Pizza SliceX%d=%d\n",n2,150*n2);
t+=150*n2;
break;
case 4 : printf("CoffeeX%d=%d\n",n2,60*n2);
t+=60*n2;
break;
case 5 : printf("JuiceX%d=%d\n",n2,50*n2);
t+=50*n2;
}
}
}

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break;
default: printf("Invalid item code.\n");
}
if(t>500)
d=t*0.10;
final_bill=t-d;
if(d>0)
printf("Discount: %0.2f\n",d);
}
T=T+final_bill;
printf("Total=%0.2f\n",t);
printf("Final Bill: %0.2f\n",final_bill);
}
printf("\nCanteen Summary\n");
printf("Total Customers Served: %d\n",N);
printf("Total Revenue: %0.2f\n",T);
return 0;
}
```