#include<iostream>

using namespace std;

enum ProductCategory{

    Smartphones,

    Laptops,

    AudioDevices,

    Cameras

};

union ProductInfo{

    int storageCapacity;

    float weight;

};

typedef int ProductCode;

struct product{

 ProductCategory cate;

 ProductInfo Weight;

 ProductCode c;

 ProductInfo Storage;

};

int main(){

    cout<<"    \*\*\*Electronic Store Inventory\*\*\*   "<<endl;

    cout<<endl;

    product products;

    int categoryuser;

    cout<<"Select a Category (0 Smartphones, 1 Laptops, 2 AudioDevices, 3 Cameras  ) ";

    cin>>categoryuser;

   cout<<"Enter product code for you selected category : ";

   cin>>products.c;

   switch (categoryuser)

   {

   case Smartphones:

   cout<<"Enter Storage of smartphone you want in GB: ";

   cin>>products.Storage.storageCapacity;

   cout<<"enter weight(KG) of smartphone: ";

   cin>>products.Weight.weight;

    break;

     case Laptops:

   cout<<"Enter Storage of Laptop you want in GB: ";

   cin>>products.Storage.storageCapacity;

      cout<<"enter weight(KG) of Laptop: ";

   cin>>products.Weight.weight;

    break;

    case AudioDevices:

   cout<<"Enter Storage of Audio device you want in GB: ";

   cin>>products.Storage.storageCapacity;

      cout<<"enter weight(KG) of Audio device: ";

   cin>>products.Weight.weight;

    break;

     case Cameras:

   cout<<"Enter Storage of Camera you want in GB: ";

   cin>>products.Storage.storageCapacity;

      cout<<"enter weight(KG) of Camera: ";

   cin>>products.Weight.weight;

    break;

   default:

   cout<<"Sorry you Select invalid category!";

    break;

   }

cout<<"Details: "<<endl;

   switch (categoryuser)

   {

    case 0:

        cout<<"SmartPhones"<<endl;

        break;

    case 1:

        cout<<"Laptops"<<endl;

        break;

     case 2:

        cout<<"Audio Devices"<<endl;

        break;

    case 3:

        cout<<"Cameras"<<endl;

        break;

    default:

    cout<<"Sorry!";

        break;

    }

    cout << "Storage Capacity: " << products.Storage.storageCapacity << " GB" <<endl;

    cout << "Weight: " << products.Weight.weight << " kg" << endl;

    cout << "Product Code: " << products.c << endl;

}