```
#include "itemtype.h"
#include "unsortedtype.h"

int main()
{

    UnsortedType tomList,jerryList;


    ItemType item;
    string name;
    int amount;



    cout<<"Tom's Data: "<<endl;


    for(int i=0;i<6;i++)
    {
        cout<<"\nName: ";
        getline(cin,name);
        cout<<"\nSalami: ";
        cin>>amount;
        getchar();

        item.Initialize(amount,name);
        tomList.InsertItem(item);
    }


    cout<<"Jerry's Data: "<<endl;


    for(int i=0;i<6;i++)
    {
        cout<<"\nName: ";
        getline(cin,name);
        cout<<"\nSalami: ";
        cin>>amount;
        getchar();

        item.Initialize(amount,name);
        jerryList.InsertItem(item);
    }
```

```
    // Solution to problem-1

    ItemType maxOfTom,tempItem;

    tomList.ResetList();
    tomList.GetNextItem(maxOfTom);

    for(int i=0;i<5;i++)
    {
        tomList.GetNextItem(tempItem);
        if(maxOfTom.ComparedTo(tempItem)== LESS)
        {
            maxOfTom = tempItem;
        }
    }

    tomList.ResetList();

    int x;
    string n;

    maxOfTom.getName(n);
    maxOfTom.getValue(x);

    cout<<"Tom got maximum salami from: "<<n<<endl;
    cout<<"Amount: "<<x<<" BDT"<<endl;



// For Solution to problem-2: Following the concept used above,
// find the minimum salami amount details for jerry. Utilize your
// brain cells.



// solution to problem-3

    int tomsTotal=0,jerrysTotal=0;

    tomList.ResetList();
    jerryList.ResetList();

    ItemType t1,t2;
    int x1,x2;

    for(int i=0;i<6;i++)
    {
        tomList.GetNextItem(t1);
        jerryList.GetNextItem(t2);


        t1.getValue(x1);
        t2.getValue(x2);

        tomsTotal += x1;
        jerrysTotal += x2;

    }
```

```
    tomList.ResetList();
    jerryList.ResetList();

    if(tomsTotal>jerrysTotal)
    {
        cout<<"Tom won the contest."<<endl;
    }

    else if(jerrysTotal>tomsTotal)
    {
        cout<<"Jerry won the contest."<<endl;
    }

    else
    {
        cout<<"It's a draw!"<<endl;
    }

    // solution to problem-4:

    cout<<"Total salami collected: "<<(tomsTotal+jerrysTotal)<<endl;


    return 0;
}
```