IPL   
AUCTION MANAGER

Submitted by: Batch: B6

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INTRODUCTION...  
  
IPL.  
Every cricket fan’s favourite time of the year. Every year it comes up with an auction of players. So here it is.   
A program to manage the auction of players.  
  
We are using a database for few players to be auctioned.   
The main menu consists of two options if you want to place the bid you have to choose “YES” otherwise “NO”.

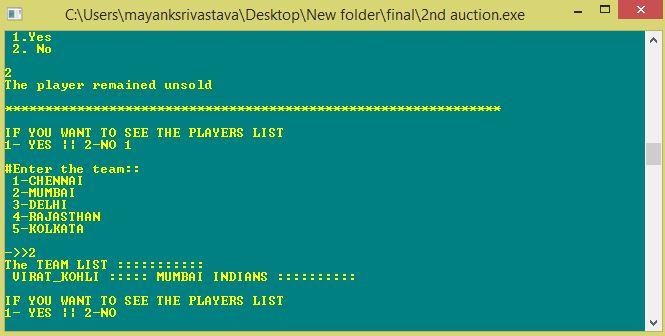
Then bidding starts for that particular player.  
With his stats as:

1)Player\_Name  
2) Runs  
3)Wickets taken  
4)Position( Batsman, Bowler, Wicket-Keeper or All Rounder)  
5)Player Rating  
  
  
Then the user has to input his team from the following teams.  
  
1) Chennai Super Kings  
2) Mumbai Indians  
3) Delhi Daredevils  
4) Rajasthan Royals  
5) Kolkata Knight Riders  
  
Now when the user have chosen a team then a baseprice of 50 lakhs will be added for the bid.  
  
Then it again asks if you want to place the bid.  
Again five options appear and if other team wants to increase the bid. It can do that there.

An increment of 10 lakhs is done everytime a bid is placed.  
  
And finally if the user chooses to not to place the player will be added to the team which has placed the last bid.  
This thing will be indulged in a linked list.  
Player details along with the team that has bought will be included in the linked list.  
  
So everytime a player is added in a team , he will be added in the next node of the linked list.  
  
Finally a message will be displayed that   
  
“Player\_name has been sold to Team\_name at xyz lakhs”

Data structures used...

Linked list was used to implement the list of sold and unsold player  
 whenever a player is bought by a particular team or remains unsold,  
 he is added to the linked list along with the his team and then he is  
 inserted in the linked list and insertion at beginning is done.



Division of Work...

**Atul Rana:  
-**Logical implementation of the project  
- insert( ) function  
- use of data structures  
-report

**Mayank Srivastava:**

-Idea for the project  
-main( ) function  
-report  
 **Rakshit Gangwar:**-Graphics  
-data of cricketers  
-data structures  
 **Chirag Bhati:**-data of cricketers  
-print( ) function

Important Functions Implemented...  
  
**insert ( )**When a player’s deal is done then this function is used to insert the player to the team which has put the highest bid.  
  
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void insert(char x[],int y)

{

int i;

struct node \*temp1;

temp1=(struct node\*)malloc(sizeof(struct node));

if(y!=0)

{

for(i=0;i<20;i++)

{

temp1->player[i]=x[i];

}

temp1->team=y;

temp1->next=head;

head=temp1;

}

}  
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**print( )**

Basically this function prints the value from linked list of sold and unsold players to show which of the team the player belongs to.

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void print()

{

struct node \*temp2=head;

printf("The list of sold players:::::::::::\n");

while(temp2!=NULL)

{

printf(" %s ",temp2->player);

printf("\n");

if(temp2->team==1)

{

printf("Players team is ::::: CHENNAI SUPER KINGS::::::::::\n");

}

else if(temp2->team==2)

{

printf("Players team is ::::: MUMBAI INDIANS ::::::::::\n");

}

else if(temp2->team==3)

{

printf("Players team is ::::: DELHI DAREDEVIL::::::::::\n");

}

else if(temp2->team==4)

{

printf("Players team is ::::: RAJASTHAN ROYALS::::::::::\n");

}

else if(temp2->team==5)

{

printf("Players team is ::::: KOLKATA KNIGHT RIDERS::::::::::\n");

}

temp2=temp2->next;

}

printf("\n");

}

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**main ( )**

This function is obviously the body of the program.

It comprises of file handling and use of above two functions to execute the functioning of the application.

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int main()

{

FILE \*fp,\*MI,\*DD,\*KKR,\*CSK,\*RR;

head=NULL;

int l,baseprize=50;

char a[20];

int ch,i,j=1,count=0;

int k;

char temp[100],team[20];

fp=fopen("ted.txt","r");

while(!feof(fp))

{

for(i=0;i<5;i++)

{

fscanf(fp,"%s",temp);

if(i==0)

{

for(l=0;l<20;l++)

{

a[l]=temp[l];

}

}

printf("# %s \n ",temp);

}

printf("\nTHE BIDDINGS STARTS FOR THIS PLAYER:::::::::::::\n\n\n");

while(1)

{

printf("\nIF YOU WANT TO PLACE BID--- \n 1.Yes\n 2. No\n\n");

scanf("%d",&ch);

if(ch==1)

{

printf("\n#Enter the team::\n 1-CHENNAI \n 2-MUMBAI \n 3-DELHI \n 4-RAJASTHAN\n 5-KOLKATA\n\n->>");

scanf("%d",&k);

if(k==1)

{

printf("++CHENNAI placed the bid of %d lakhs++ \n",baseprize);

baseprize=baseprize + 10;

count=1;

}

else if(k==2)

{

printf("++MUMBAI placed the bid of %d lakhs++ \n",baseprize);

baseprize=baseprize + 10;

count=2;

}

else if(k==3)

{

printf("++DELHI placed the bid of %d lakhs++ \n",baseprize);

baseprize=baseprize + 10;

count=3;

}

else if(k==4)

{

printf("++RAJASTHAN placed the bid of %d lakhs++ \n",baseprize);

baseprize=baseprize + 10;

count=4;

}

else if(k==5)

{

printf("++KOLKATA placed the bid of %d lakhs++ \n",baseprize);

baseprize=baseprize + 10;

count=5;

}

}

else if(ch==2)

{

if(count==1)

{

printf("The player is sold CHENNAI SUPER KINGS at %d lakhs\n\n",baseprize);

printf("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n\n");

insert(a,count);

}

else if(count==2)

{

printf("The player is sold MUMBAI INDIANS at %d lakhs\n\n",baseprize);

printf("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n\n");

insert(a,count);

}

else if(count==3)

{

printf("The player is sold to DELHI DAREDEVILS at %d lakhs\n\n",baseprize);

printf("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n\n");

insert(a,count);

}

else if(count==4)

{

printf("The player is sold RAJASTHAN ROYALS at %d lakhs\n \n",baseprize);

printf("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n\n");

insert(a,count);

}

else if(count==5)

{

printf("The player is sold KOLKATA KNIGHT RIDERS at %d lakhs\n \n",baseprize);

printf("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n\n");

insert(a,count);

}

else if(count==0){

printf("The player remained unsold\n \n");

printf("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n\n");

insert(a,count);

}

break;

}

}

}

print();

fclose(fp);

return 0;

}

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Screenshots of the program.  
