#include <stdio.h>

#include <stdlib.h>

#include<string.h>

void scoreboard(char [][20],char [][20]);

int board(char [][20],int);

int main()

{

char

ind[12][20]={"INDIA","Rohit","Dhawan","Kohli","Rahane","Dhoni","Jadhav","Hardik","Kuldeep","Bhuvi","Bumrah","Chahal"},

nz[12][20]={"NEWZEALAND","Guptill","B.McCullum","K.Williamson","R.Taylor","Munro","Anderson","De Grandhomme","N.Wagner","Boult","Southee","Sodhi"},

sa[12][20]={"S.AFRICA","Amla","DuPlessis","DeCock","DeVilliers","Miller","J.PDuminy","Behardien","D.Steyn","M.Morkel","Tahir","Rabada"};

int c1,c2;

printf("WELCOME TO TRIANGLE SERIES\n");

printf("Select two teams name\n1:INDIA\n2:NEWZEALAND\n3:S.AFRICA\n");

scanf("%d%d",&c1,&c2);

if(c1==1&&c2==2)

scoreboard(ind,nz);

else

if(c1==1&&c2==3)

scoreboard(ind,sa);

else

if(c1==2&&c2==3)

scoreboard(nz,sa);

return 0;

}

void scoreboard(char t1[][20],char t2[][20])

{int i,tt1,tt2,n;

printf("\n\n%s VS %s\n\n",t1[0],t2[0]);

for(i=0;i<=11;i++)

printf("%-25s%-25s\n\n",t1[i],t2[i]);

printf("No. of overs:\n");

scanf("%d",&n);

printf("Batting team:\n1:%s\n2:%s\n\n",t1[0],t2[0]);

scanf("%d",&i);

if(i==1)

{

tt1=board(t1,n);

tt2=board(t2,n);

}

else

if(i==2)

{

tt2=board(t2,n);

tt1=board(t1,n);

}

if(tt1>tt2)

printf("\n\n%s WON",t1[0]);

else

printf("\n\n%s WON",t2[0]);

}

int board(char t[][20],int n)

{char b1[20],b2[20],b3[20];int j=2,i=0,w=0,b,c,a=0,r=0,r1=0,r2=0,k=1,temp=0,p=0,m=2,h=0,g=0,l=1;

strcpy(b1,t[1]);

strcpy(b2,t[2]);

b=1;

while(b<=(n\*6)&&w<10)

{

printf("\n\nResult of ball %d\n 1:run\n 2:wicket\n 3:wide\n 4:no ball\n",b);

scanf("%d",&c);

switch(c)

{

case 1:

printf("runs made\n");

scanf("%d",&a);

r=r+a;

break;

case 2:

w++;

printf("\n\t\t\*\*\*\*\* \* \* \*\*\*\*\*\n\t\t\* \* \* \* \*\n\t\t\* \* \* \* \*\n\t\t\* \* \* \* \*\n\t\t\* \* \* \* \*\n\t\t\*\*\*\*\* \*\*\*\*\* \*\n\n\tTHAT'S A WICKET!!!\n");

break;

case 3:

r=r+1;

a=0;

b--;

break;

case 4:

printf("runs made on no ball\n");

scanf("%d",&a);

r=r+a+1;

b--;

break;

default:

printf("invalid input");exit(0);}

if(a==6)

printf("\n\n\t\t\*\*\*\*\*\*\n\t\t\*\n\t\t\*\n\t\t\*\n\t\t\*\*\*\*\*\*\n\t\t\* \*\n\t\t\* \*\n\t\t\*\*\*\*\*\* \n\n\tTHAT'S A HUGE SIX!!!\n\n");

if(a==4)

printf("\n\n\t\t\* \n\t\t\* \*\n\t\t\* \*\n\t\t\* \*\n\t\t\*\*\*\*\*\*\n\t\t \*\n\t\t \*\n\t\t \*\n\n\tTHAT'S A FOUR!!!\n");

if(w>i)

{j++;

strcpy(b1,t[j]);

i++;

r1=0;

}

printf("\n\n%s:%d-%d\n\n",t[0],r,w);

if((b>6\*k||p==1||p==3)&&(m!=1&&m!=3))

{

temp=r1;

r1=r2;

r2=temp;

r1+=a;

strcpy(b3,b1);

strcpy(b1,b2);

strcpy(b2,b3);

}

else

r1+=a;

if(b>6\*k)

k++;

p=a;

if(b==(6\*l))

{

m=a;

l++;

}

else

m=2;

printf("%s-%d\n\n%s-%d\n",b1,r1,b2,r2);

if(b%6==0&&(c!=4&&c!=3))

{

h++;

g=0;

}

else

if(b%6!=0&&(c!=4&&c!=3))

g++;

printf("\n\nOVERS:%d.%d",h,g);

b++;

a=0;

}

printf("\nInnings complete");

return r;

}