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#include <iostream>
#include <cstdlib>
#include <ctime>
#include <time.h>
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using namespace std;
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int main()
{
    int i=0,overA=0,ballA=0,overB=0,ballB=0,wicketsA=0,runsA=0,ranA=0,wickA=0;
    srand(time(0));string c;int runsB=0,ranB=0,wickB=0,wicketsB=0;bool wickwin=0;
    cout << "\n\n\nTEAM A\n\n" << endl;
    for(i=0;i<=120;i++)
    {
        overA=i/6;
        ballA=i%6;
        system("clear");
        cout << "\n\n\nTEAM A\n\n" << endl;
        if(ballA==0 || wicketsA==10)
        {

            cout << "\n" << endl;
            cout << "Score      : " << runsA << "/" << wicketsA << endl;
            cout << "Overs      : " << overA << "." << ballA << endl;
            cout << "\n\n" << endl;

            if(overA==20 || wicketsA==10)
            {
                cout << "Press ENTER key to set team B as batting team" << endl;
                getline(cin,c);
                break;
            }
            else
            {
                cout << "Press ENTER key to bowl another over" << endl;
                getline(cin,c);
            }
        }

        if(i<30 || i>=89)
        {
            wickA=rand()%30;
            if(wickA!=0)
            {
                ranA=rand()%7;
                if(ranA==5 || ranA==3)
                {ranA=0;}
                runsA+=ranA;
            }
            else if(wickA==0)
            {
                runsA+=0;
                wicketsA++;
            }
        }
        else
        {
            wickA=rand()%10;
            if(wickA!=0)
            {
                ranA=rand()%5;
                if(ranA==5 || ranA==3)
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        {ranA=0;}
        runsA+=ranA;
    }
    else if(wickA==0)
    {
        runsA+=0;
        wicketsA++;
    }
}
}

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cout << "\n\n" << endl;

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for(i=0;i<=120;i++)
{
    overB=i/6;
    ballB=i%6;
    system("clear");
    cout << "\n\nTEAM B\n\n" << endl;
    if(ballB==0 || wicketsB==10 || runsB>runsA)
    {

        cout << "\n" << endl;
        cout << "Score      : " << runsB << "/" << wicketsB << endl;
        cout << "Overs      : " << overB << "." << ballB << endl;
        cout << "\n\n" << endl;

        if(runsB>runsA)
        {wickwin=1;}

        if(overB==20 || wicketsB==10 || runsB>runsA)
        {
            cout << "Press ENTER key to end the match" << endl;
            getline(cin,c);
            break;
        }
        else
        {
            cout << "Press ENTER key to bowl another over" << endl;
            getline(cin,c);
        }
    }
}

```

```

if(i<30 || i>=89)
{
    wickB=rand()%30;
    if(wickB!=0)
    {
        ranB=rand()%7;
        if(ranB==5 || ranB==3)
        {ranB=0;}
        runsB+=ranB;
    }
    else if(wickB==0)
    {
        runsB+=0;
        wicketsB++;
    }
}
else

```

```

{
    wickB=rand()%10;
    if(wickB!=0)
    {
        ranB=rand()%5;
        if(ranB==5 || ranB==3)
        {ranB=0;}
        runsB+=ranB;
    }
    else if(wickB==0)
    {
        runsB+=0;
        wicketsB++;
    }
}
}
}

```

```

system("clear");

```

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cout << "\n\n\nTEAM A\n\n" << endl;
cout << "Score      : " << runsA << "/" << wicketsA << endl;
cout << "Overs       : " << overA << "." << ballA << endl;
cout << "\n\n" << endl;
cout << "\n\nTEAM B\n\n" << endl;
cout << "Score      : " << runsB << "/" << wicketsB << endl;
cout << "Overs       : " << overB << "." << ballB << endl;
cout << "\n" << endl;

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if(wickwin==1)
{

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    cout << "Team B Won by " << (10-wicketsB) << " wickets " << endl;
}

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else
{cout << "Team A Won by " << abs(runsB-runsA) << " runs " << endl;}

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cout << "\n" << endl;

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return 0;

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}

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