**ASSIGNMENT 3**

//Purpose: To make a program of runs versus overs of cricket match

//Date: 05/09/2017

//Gr. No.: 1710536

//Roll No.: C 34

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#include<simplecpp>

main\_program // main program starts here

{

cout<<"Here we are going to draw a graph of runs scored.\n"; // outputs showing values

cout<<"Let the data be as follows:\n";

cout<<"Over \t\t Runs scored\n";

cout<<"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_";

cout<<"\n\n";

cout<<"46\t\t3\n";

cout<<"47\t\t6\n";

cout<<"48\t\t2\n";

cout<<"49\t\t8\n";

cout<<"50\t\t12";

initCanvas("CRICKER RUNS GRAPH",1366,768); // canvas starts here

Line l1(166,0,166,768); // axes

Line l2(0,600,1366,600);

Rectangle r1(306,540,160,120); // rectangular bars of bar graph

Rectangle r2(526,480,160,240);

Rectangle r3(746,560,160,80);

Rectangle r4(966,440,160,320);

Rectangle r5(1186,360,160,480);

Text t1(683,684,"NUMBER OF OVERS"); // header of x axis

Text t2(83,280,"N"); // header of y axis starts here

Text t3(83,295,"U");

Text t4(83,310,"M");

Text t5(83,325,"B");

Text t6(83,340,"E");

Text t7(83,355,"R");

Text t8(83,385,"O");

Text t9(83,400,"F");

Text t10(83,430,"R");

Text t11(83,445,"U");

Text t12(83,460,"N");

Text t13(83,475,"S");

Text t14(683,60,"GRAPH OF RUNS IN 5 OVERS"); // header of program printed by this

Text t15(306,610,"46"); // this prints the overs

Text t16(526,610,"47");

Text t17(746,610,"48");

Text t18(966,610,"49");

Text t19(1186,610,"50");

Text t20(160,40,"14");

Text t21(160,120,"12");

Text t22(160,200,"10");

Text t23(160,280,"8");

Text t24(160,360,"6");

Text t25(160,440,"4");

Text t26(160,520,"2");

r1.setFill(true); // allows to colour the text

r2.setFill(true);

r3.setFill(true);

r4.setFill(true);

r5.setFill(true);

l1.setFill(true);

l2.setFill(true);

r1.setColor(COLOR(251,80,51)); // it states the colour

r2.setColor(COLOR(74,155,228));

r3.setColor(COLOR(251,80,51));

r4.setColor(COLOR(74,155,228));

r5.setColor(COLOR(251,80,51));

l1.setColor(COLOR(18,2,114));

l2.setColor(COLOR(18,2,114));

wait(20);

cout<<"\n";

}



