// Online C compiler to run C program online

#include <stdio.h>

void main()

{

char name[20], format[5];

int age;

int role;

float runs,dism,runs\_given,overs,batting\_avg,bowling\_econ,ARavg;

printf(" THIS IS A CRICKETER GRADIND SYSTEM\n");

printf(" Here, GRADE represents the following \n \n");

printf(" A++\t Players who are the top most cricketers in the world \n");

printf(" A+ \t Players who have experience and have potential \n");

printf(" A \t Players who are raw but are emerging talents\n");

printf("Enter name of the player:- \n");

scanf("%s",&name);

printf("Enter the age of the player:- \n");

scanf("%d",&age);

printf("Enter the format according in which you wish to grade him/her:-\n");

scanf("%s",&format);

printf("Enter his/her role:\n");

printf("Press 1 for BATSMAN\n PRESS 2 for BOWLER\n PRESS 3 for ALL-ROUNDER \n");

scanf("%d",&role);

if(role==1)

{

printf(" Enter the total number of runs the player scored :\t");

scanf("%f",&runs);

printf(" Enter the number of times he/she got out :\t");

scanf("%f",&dism);

batting\_avg= runs/dism;

if(batting\_avg>40)

{

printf(" Name of the Player :\t%s\n",name);

printf(" Age of the Player :\t%d\n",age);

printf(" Format in which he/she plays :\t%s\n",format);

printf(" GRADE -- A++ BATSMAN \n");

}//inner if ends

else if(30 <= batting\_avg && batting\_avg <= 40)

{

printf(" Name of the Player :\t%s\n",name);

printf(" Age of the Player :\t%d\n",age);

printf(" Format in which he/she plays :\t%s\n",format);

printf(" GRADE -- A+ BATSMAN \n");

}

else if (batting\_avg < 30)

{

printf(" Name of the Player :\t%s\n",name);

printf(" Age of the Player :\t%d\n",age);

printf(" Format in which he/she plays :\t%s\n",format);

printf(" GRADE -- A BATSMAN \n");

}

}// block for batting grading over

else if (role==2)

{

printf(" Enter the total number of runs given by the player :\t");

scanf("%f",&runs\_given);

printf(" Enter the number of over he/she bowled :\t");

scanf("%f",&overs);

bowling\_econ= runs\_given/overs;

if(bowling\_econ<= 10)

{

printf(" Name of the Player :\t%s\n",name);

printf(" Age of the Player :\t%d\n",age);

printf(" Format in which he/she plays :\t%s\n",format);

printf(" GRADE -- A++ BOWLER \n");

}

else if(10 < bowling\_econ && bowling\_econ <= 25)

{

printf(" Name of the Player :\t%s\n",name);

printf(" Age of the Player :\t%d\n",age);

printf(" Format in which he/she plays :\t%s\n",format);

printf(" GRADE -- A+ BOWLER \n");

}

else if(bowling\_econ > 25)

{

printf(" Name of the Player :\t%s\n",name);

printf(" Age of the Player :\t%d\n",age);

printf(" Format in which he/she plays :\t%s\n",format);

printf(" GRADE -- A BOWLER \n");

}

}// block for bowling economy

else if(role == 3)

{

printf(" Enter total number of runs scored and number of times he/she got out :-\n");

scanf("%f",&runs);

scanf("%f",&dism);

batting\_avg= runs/dism;

printf(" Enter total number of runs given by the player and number of overs bowled by him/her :- \n");

scanf("%f",&runs\_given);

scanf("%f",&overs);

bowling\_econ= runs\_given/overs;

ARavg=(batting\_avg\*bowling\_econ)/100;

if(ARavg<= 0.50)

{

printf(" Name of the Player :\t%s\n",name);

printf(" Age of the Player :\t%d\n",age);

printf(" Format in which he/she plays :\t%s\n",format);

printf(" GRADE -- A++ ALL-ROUNDER \n");

}

else if(0.50 < ARavg && ARavg <= 0.90)

{

printf(" Name of the Player :\t%s\n",name);

printf(" Age of the Player :\t%d\n",age);

printf(" Format in which he/she plays :\t%s\n",format);

printf(" GRADE -- A+ ALL-ROUNDER \n");

}

else if( ARavg > 0.90)

{

printf(" Name of the Player :\t%s\n",name);

printf(" Age of the Player :\t%d\n",age);

printf(" Format in which he/she plays :\t%s\n",format);

printf(" GRADE -- A ALL-ROUNDER \n");

}

}// block for all rounder average.

}// main ends.