#include<cstdlib>

#include<iostream>

#include<ctime>

#include<string>

#include<fstream>

#include <cstdio>

using namespace std;

void rule();

class data\_control

{

private:

string name;

int age;

int p[6];

public:

void ini()

{

for(int i=0;i<6;i++)

{

p[i]=0;

}

}

void input(long int number)

{

ofstream truth("truthanddare.txt", ios::app);

cout<<"Player number:-"<<number<<endl;

cout << "Enter the name" << endl;

cin >> name;

cout << "Enter the age" << endl;

cin >> age;

cin.sync();

truth << number << ' ' << name <<' '<< age<<endl;

truth.close();

system("cls");

}

void displayall()

{

long int number;

ifstream truth("truthanddare.txt");

cout << "POINTS TABLE"<< endl;

cout << "Number" << '\t' << "Name" <<"\t\t"<< "Age"<<'\t'<<"Points"<<endl;

cout << "----------------------------------------" << endl;

while (truth>>number >> name>> age)

{

cout << number << '\t' << name <<"\t\t"<<age<<'\t'<<p[(number-1)] <<endl ;

}

cin.get();

}

void deleteFile()

{

ofstream truth("truthanddare.txt");

}

int points(int a)

{

if(a!=7)

{

p[--a]++;

for(int j=0;j<6;j++)

{

if(p[j]!=10)

{

return -1;

}

else if(p[j]==10)

{

return (++j);

exit;

}

}

}

else if(a==7)

{

int max=-1;

int st=0;

for(int a=0;a<6;a++)

{

if(p[a]>=max)

{

max=p[a];

st=a;

}

}

return st;

}

}

string searchname(int a)

{

long int number;

ifstream truth("truthanddare.txt");

while (truth >> number >> name >> age)

{

if (number==a)

{

return name;

}

}

cin.get();

}

int searchage(int a)

{

long int number;

ifstream truth("truthanddare.txt");

while (truth >> number >> name >> age)

{

if (number==a)

{

return age;

}

}

cin.get();

}

};

class td

{

public:

int bottle()

{

srand(time(0));

int n=rand()%60+1;

cout<<"1\t2\t3\n\n";

for(int i=1;i<=7;i++)

{

cout<<" ";

if((n<10)&&(n>=1))

{

for(int j=1;j<=7;j++)

{

if(j==4 || i==3&&(j==2||j==6)||(i==2&&(j==3||j==5)))

{

cout<<"\* ";

}

else

{

cout<<" ";

}

}

}

else if((n<20)&&(n>=10))

{

for(int j=1;j<=7;j++)

{

if(j==4 || i==5&&(j==2||j==6)||(i==6&&(j==3||j==5)))

{

cout<<"\* ";

}

else

{

cout<<" ";

}

}

}

else if((n<30)&&(n>=20))

{

for(int j=1;j<=7;j++)

{

if((i==j) || (i==1&&(j==2||j==3||j==4)) || ((i==2||i==3||i==4)&&j==1))

{

cout<<"\* ";

}

else

{

cout<<" ";

}

}

}

else if((n<40)&&(n>=30))

{

for(int j=1;j<=7;j++)

{

if(((i+j)==8) || (i==1&&(j==4||j==5||j==6)) || ((i==2||i==3||i==4)&&j==7))

{

cout<<"\* ";

}

else

{

cout<<" ";

}

}

}

else if((n<50)&&(n>=40))

{

for(int j=1;j<=7;j++)

{

if((i==j) || (i==7&&(j==4||j==5||j==6)) || ((i==4||i==5||i==6)&&j==7))

{

cout<<"\* ";

}

else

{

cout<<" ";

}

}

}

else if((n<=60)&&(n>=50))

{

for(int j=1;j<=7;j++)

{

if(((i+j)==8) || (i==7&&(j==2||j==3||j==4)) || ((i==4||i==5||i==6)&&j==1))

{

cout<<"\* ";

}

else

{

cout<<" ";

}

}

}

cout<<endl;

}

cout<<"6\t5\t4\n";

if((n<10)&&(n>=1))

{

return 25;

}

else if((n<20)&&(n>=10))

{

return 52;

}

else if((n<30)&&(n>=20))

{

return 14;

}

else if((n<40)&&(n>=30))

{

return 36;

}

else if((n<50)&&(n>=40))

{

return 41;

}

else if((n<=60)&&(n>=50))

{

return 63;

}

}

void T\_K()

{

srand(time(0));

int y=rand()%8+1;

switch(y)

{

case 1:

cout<<"\n Tell about your stangest dream\n ";

break;

case 2:

cout<<"\n Have you ever wet your bed? \n";

break;

case 3:

cout<<"\n Have you ever cheated in a exam? \n";

break;

case 4:

cout<<"\n Tell You worst grades \n";

break;

case 5:

cout<<"\n Name The Person you fear the most \n";

break;

case 6:

cout<<"\n Tell about the craziest thing you have ever done \n";

break;

case 7:

cout<<"\n What question would you like to ask to the person opposite to you? \n";

break;

case 8:

cout<<"\n What animal are you afraid of the most? \n";

break;

}

}

void D\_K()

{

srand(time(0));

int y=rand()%8+1;

switch(y)

{

case 1:

cout<<"\n Spin around 10 times and then try to walk in a straight line\n";

break;

case 2:

cout<<"\n Dance with no music for 30 seconds\n";

break;

case 3:

cout<<"\n Arm wrestle the player opposite to you\n";

break;

case 4:

cout<<"\n Eat a tablespoon of butter\n";

break;

case 5:

cout<<"\n Do the chicken dance\n";

break;

case 6:

cout<<"\n Descibe everyone in 3 words\n";

break;

case 7:

cout<<"\n Let the group give you a new hairstyle\n";

break;

case 8:

cout<<"\n Moonwalk across the room\n";

break;

}

}

void T\_T()

{

srand(time(0));

int y=rand()%8+1;

switch(y)

{

case 1:

cout<<"\n What is you least favorite thing about the person on your left?\n";

break;

case 2:

cout<<"\n Do you Google new people you meet? \n";

break;

case 3:

cout<<"\n If you could Invent anything, What would it be? \n";

break;

case 4:

cout<<"\n Your biggestr fear?\n ";

break;

case 5:

cout<<"\n Where is the strangest place you have peed? \n";

break;

case 6:

cout<<"\n Describe yourself in 3 words\n ";

break;

case 7:

cout<<"\n What's your most embarrassing nickname?\n ";

break;

case 8:

cout<<"\n Have you ever worn the opposite sex's clothing?\n ";

break;

}

}

void D\_T()

{

srand(time(0));

int y=(rand()%8)+1;

switch(y)

{

case 1:

cout<<"\n Stay without your cellphone till your next turn\n";

break;

case 2:

cout<<"\n Let the group give you a new hairstyle\n";

break;

case 3:

cout<<"\n Let the group look through your phone for 2 mins\n";

break;

case 4:

cout<<"\n Allow another player draw anything on your face\n";

break;

case 5:

cout<<"\n Spin around in circle for one minute without stopping\n";

break;

case 6:

cout<<"\n Do 20 situps\n";

break;

case 7:

cout<<"\n Give a foot massage to another player\n";

break;

case 8:

cout<<"\n Get slapped by everyone in the room\n";

break;

}

}

};

void rule()

{

cout<<"\t\t\t !!! WELCOME !!!\n";

cout<<"\t\t\t\t To\n";

cout<<"\t\t\t Truth And Dare Game\n";

cout<<"Rules:-\n";

cout<<"\t1.The game is for 6 players\n";

cout<<"\t2.First player to reach point 10 will win\n";

cout<<"\t3.The Bottle is represented in form of an arrow\n";

cout<<"\nSteps\n";

cout<<"\t1.Enter your names and age\n";

cout<<"\t2.Enter p to play or q to quit\n";

cout<<"\t3.You have to choose a task (Truth or Dare)\n";

cout<<"\t4.The questions or task will be asked according to your age\n";

cout<<"\t5.If the answerer complete the task he/she will get one point \n";

cout<<"\t6.else the asker will get one point\n";

cout<<"\t7.To continue the game enter P or p \n";

cout<<"\t8.To quit the game midway enter Q or q \n";

cout<<"\t9. The highest scorer will be declared the winner\n\n";

system("pause");

}

main()

{

system("color F0");

data\_control obj;

td ob;

int d,s,a,p;

char w=' ';

string winner;

rule();

obj.deleteFile();

obj.ini();

system("cls");

cout<<"\nEnter The Names and Age of the Players\n\n";

for(int i=1;i<=6;i++)

{

obj.input(i);

}

q:

system("cls");

obj.displayall();

system("pause");

system("cls");

cout<<"Enter (P/Q)\n\t P to play \n\tQ to Quit\n";

cin>>w;

if(w=='P'||w=='p')

{

d=ob.bottle();

s=d%10;

a=d/10;

string asker=obj.searchname(s);

string answer=obj.searchname(a);

cout<<'\t'<<asker<<" will ask to "<<answer<<endl;

z:

cout<<"Enter (T/D)\nT for Truth\nD for Dare\n\t";

cin>>w;

int y=obj.searchage(a);

if(w=='T'||w=='t')

{

if(y<13)

{

ob.T\_K();

}

else

{

ob.T\_T();

}

}

else if(w=='D'||w=='d')

{

if(y<13)

{

ob.D\_K();

}

else

{

ob.D\_T();

}

}

else

{

goto z;

}

x:

cout<<"Enter (C/F) \n C for Task Completed \n F for Task forfeited\n\t";

cin>>w;

if(w=='C'||w=='c')

{

p=obj.points(a);

if(p>-1)

{

winner=obj.searchname(p);

obj.displayall();

cout<<'\n'<<winner<<" is the winner \n\n";

cout<<"\t\t\t!! CONGRATULATIONS !!\n";

exit;

}

else if(p==-1)

{

cout<<'\t'<<answer<<" get the points\n";

system("pause");

goto q;

}

}

else if(w=='F'||w=='f')

{

p=obj.points(s);

if(p>-1)

{

winner=obj.searchname(p);

obj.displayall();

cout<<'\t'<<winner<<" is the winner \n";

cout<<"\t\t\t!! CONGRATULATIONS !!\n";

exit;

}

else if(p==-1)

{

cout<<'\t'<<asker<<" get the points\n";

system("pause");

goto q;

}

}

else

{

goto x;

}

}

else if(w=='Q'||w=='q')

{

p=obj.points(7);

if(p<6)

{

winner=obj.searchname((p+1));

}

else

{

winner=obj.searchname(p);

}

obj.displayall();

cout<<'\t'<<winner<<" is the winner\n";

cout<<"\t\t\t!! CONGRATULATIONS !!\n";

exit;

}

else

{

goto q;

}

}