#include<iostream.h>

#include<conio.h>

#include<fstream.h>

#include<process.h>

#include<string.h>

#include<windows.h>

#include<ctype.h>

class candidate

{

public:

char name[20];

int age;

char place[30];

} participant;

char money[10][10]={"10000","40000","80000","1.6 lakh","6.4 lakh","12.5 lakh","25 lakh","50 lakh","1 crore","5 crore"};

char ch; //to get enter values

char answer='n'; //for the answer

char choice;// for the mode

char back;// to jump between functions

int level,i;

char ans[]={'D','B','D','C','D','B','D','A','C','D'};

fstream fio;

class quizquestion

{

public:

char question[200],opta[40],optb[40],optc[40],optd[40];

} ques[10];

//Checking the Answer

char checkans(char answer,int level);

int l=0; //timer variable

void main()

{

fstream fout("KBC.dat",ios::binary);

strcpy(ques[0].question,"Q1. Which among the following

companies has crossed the market value 6 trillion in March

2019?\n");

strcpy(ques[0].opta,"A. ONGC");

strcpy(ques[0].optb,"B. TCS");

strcpy(ques[0].optc,"C. Reliance Industries");

strcpy(ques[0].optd,"D. HDFC");

strcpy(ques[1].question,"Q2. What constituencies did PM Mr.

Narendra Modi and opponent Rahul Gandhi contest elections

from in 2019?\n");

strcpy(ques[1].opta,"A. Wayanad and Varanasi");

strcpy(ques[1].optb,"B. Varanasi and Wayanad");

strcpy(ques[1].optc,"C. Both from Varanasi");

strcpy(ques[1].optd,"D. Both from Wayanad");

strcpy(ques[2].question,"Q3. Potassium Permanganate is used for

purifying drinking water,because\n");

strcpy(ques[2].opta,"A. it is a sterilising agent");

strcpy(ques[2].optb,"B. it is a reducing agent");

strcpy(ques[2].optc,"C. it dissolves the impurities of water");

strcpy(ques[2].optd,"D. it is an oxidising agent");

strcpy(ques[3].question,"Q4. Who was the chief guest of Indian

Republic Day 2019?");

strcpy(ques[3].opta,"A. Shinzo Abe of Japan");

strcpy(ques[3].optb,"B. Jair Bolsonaro of Brazil");

strcpy(ques[3].optc,"C. Cyril Ramaphosa of South Africa");

strcpy(ques[3].optd,"D. Emmanuel Macron of France");

strcpy(ques[4].question,"Q5. Which of the following movie won

the Best Picture Oscar award in 2019?\n");

strcpy(ques[4].opta,"A. Black Panther");

strcpy(ques[4].optb,"B. BlacKkKlansman");

strcpy(ques[4].optc,"C. A Star is born");

strcpy(ques[4].optd,"D. Green Book");

strcpy(ques[5].question,"Q6. The 10th 'BRICS' Summit 2018 was

held in which of the following countries?\n");

strcpy(ques[5].opta,"A. Brazil");

strcpy(ques[5].optb,"B. South Africa");

strcpy(ques[5].optc,"C. Russia");

strcpy(ques[5].optd,"D. China");

strcpy(ques[6].question,"Q7. The world's largest Indian national

flag was unfurled (in May 2018) in one of the cities of which State

of India?\n");

strcpy(ques[6].opta,"A. Karnataka");

strcpy(ques[6].optb,"B. Andhra Pradesh");

strcpy(ques[6].optc,"C. West Bengal");

strcpy(ques[6].optd,"D. Telangana");

strcpy(ques[7].question,"Q8. What is the national flower of Unites

States of America?\n");

strcpy(ques[7].opta,"A. Rose");

strcpy(ques[7].optb,"B. Lily");

strcpy(ques[7].optc,"C. Hibiscus");

strcpy(ques[7].optd,"D. Dahlia");

strcpy(ques[8].question,"Q9. What is the capital of Morocco?\n");

strcpy(ques[8].opta,"A. Riga");

strcpy(ques[8].optb,"B. Valletta");

strcpy(ques[8].optc,"C. Rabat");

strcpy(ques[8].optd,"D. Windhoek");

strcpy(ques[9].question,"Q10. When is the National Sports Day

celebrated in India every year?\n");

strcpy(ques[9].opta,"A. 26th Aug");

strcpy(ques[9].optb,"B. 27th Aug");

strcpy(ques[9].optc,"C. 28th Aug");

strcpy(ques[9].optd,"D. 29th Aug");

for(int i=0;i<10;i++)

{

fout.write((char\*)&ques[i],sizeof(ques[i]));

}

fout.close();

//Defining the Modes

menu:

clrscr();

cout<<"\n\t\t\t\t\t Welcome to KAUN BANEGA CROREPATI

\t\t\n";

cout<<"\n\t\t MAIN MENU \t\t\n";

cout<< "\n\n \t\t\t 1. Evaluation Mode \n\n";

cout<< "\n\n \t\t\t 2. Test Mode \n\n";

cout<< "\n\n \t\t\t 3. Quit \n\n";

cout<<" \n\n\t\t\t Kindly specify the mode of usage";

cin>>choice;

if (choice=='3'||(choice!='2' && choice!='1'))

exit(0);

clrscr();

//Asking for person’s information\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

fio.open("candidate.dat",ios::out|ios::binary);

cout<<"\n\t\t\t\t\t Welcome to KAUN BANEGA CROREPATI

\t\t\n";

cout<<"\n\t\t\t Kindly Enter your Name \t\t\t\n";

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

cin.getline(participant.name,20);

cin.getline(participant.name,20);

cout<<"\t\t\t";

cout<<"\n\t\t\t Kindly Enter your Age \t\t\t\n";

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

cin>>participant.age;

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

cout<<"\n\t\t\t Kindly Enter your Place of Residence\t\t\t\n";

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

cin>>participant.place;

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

fio.write((char\*)&participant,sizeof(participant));

fio.close();

cout<<"\n\t\tPress Enter to Continue\n\t";

cin.get(ch); //check if can be made better

cin.get(ch);

if (ch =='\n')

clrscr();

else

{

cout<<"\t\tInvalid Input. Going back to Menu. Press enter";

cin.get(ch);

cin.get(ch);

if (ch =='\n')

{ clrscr();

goto menu;

}

else

exit(0);

}

//Telling the Guidelines of Game\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

fio.open("rules.txt",ios::in);

char textch;

while(!fio.eof())

{

fio.get(textch);

cout<<textch;

}

fio.close();

cout<<"\a";

cout<<"\n\t\tPress Enter to Continue\n\t";

cin.get(ch);

if (ch =='\n')

clrscr();

else

{

cout<<"Invalid input. Going back to Menu. Press Enter to

Continue";

cin.get(ch);

cin.get(ch);

if (ch =='\n')

{

clrscr();

goto menu;

}

else

exit(0);

}

//Starting the Game\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

fout.open("KBC.dat",ios::binary);

for(i=0;i<10;i++)

{

start:

clrscr();

cout<<"\t\t\t \n\n\n\n"<<"COMING UP: Question for \n\n

"<<"\t\t\t\t"<<money[i]<<" Rupees";

Sleep(1000);

Beep(2000,250);

Beep(1200,200);

Beep(1400,280);

Beep(1000,200);

Beep(800,300);

clrscr();

cout<<"\t\t\t\t\t\tPress Q or q to Quit\n";

cout<<"\t\t\t\t\t\tPress M or m to Go to Menu\n";

// Code for the Evaluation Mode

if (choice=='1')

for(int p=0;p<10;p++)

cout<<(p+1)<<"."<<ans[p]<<" ";

fout.read((char\*)&ques[i], sizeof(ques[i]));

cout<<"\n\n"<<ques[i].question<<"\n\n\n"<<ques[i].opta<<"\n\n\n"<<ques[i].optb<<"\n\n\n"<<ques[i].optc<<"\n\n\n"<<ques[i].optd;

cout<<"\n\n \t\tYou have 20 seconds to answer \n ";

cout<<"\n \t\t Enter your answer here (Just the Option) \n";

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Timer\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

while(l<20 && answer == 'n')

{

Sleep(1000);

Beep(1000,100);

cout<<"\t\t\t\t";

cout<<(20-l)<<" secs left ";

cout<<"\r";

if(kbhit())

{

answer=getch();

break;

}

l++;

}

if (l==20)

{

Beep(600,1000);

cout<<"\n\t\tTIME OVER.";

}

back=checkans(answer,(i+1));

answer='n';

//Code for Jumping \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

if (back=='2')

goto menu;

else if(back=='1')

goto start;

else

continue;

}

fout.close();

getch();

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*checkans Function\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

char checkans(char answer,int level)

{

answer=toupper(answer);

if (answer==ans[level-1])

{

if(level==10)

{

clrscr();

fio.open("candidate.dat",ios::out|ios::binary);

fio.read((char\*)&participant,sizeof(participant));

cout<<"\n\n\t\t\tPartcipant name:

"<<participant.name<<"\n\n\t\t\tPartcipant age:

"<<participant.age<<"\n\n\t\t\tPartcipant Place of

Residence:"<<participant.place<<endl;

fio.close();

cout<<"\n\n\tCONGRATULATIONS! You have become a

Crorepati! You win the Ultimate sum of 5 CRORE

Rupees!";

Beep(2000,200);

Beep(2500,200);

Beep(3000,300);

Beep(1000,200);

Beep(2000,200);

Beep(2500,200);

Beep(3000,300);

Beep(1000,200);

Beep(2000,200);

Beep(2500,200);

Beep(3000,300);

Sleep(4000);

return '2';

}

cout<<"\n\t Your Answer "<< answer <<" is correct \n\t";

cout<<"\n\tCongratulations! You have won "<<money[level-

1]<<" rupees ";

Beep(2000,200);

Beep(2500,200);

Beep(3000,300);

l=0; //to make the timer to 0 again

start:

cout<<"\n\n\t\tpress enter to continue\n\t";

cin.get(ch);

if (ch =='\n')

{

clrscr();

return 'n';

}

else

{

cout<<"Invalid Input. Going back to Menu. Press Enter to

Continue";

cin.get(ch);

cin.get(ch);

if (ch =='\n')

{

clrscr();

return '2';

}

else

exit(0);

}

}

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

{

clrscr();

cout<<"\n\n\tQuitting.";

if(i==0)

cout<<"\n\t\t\tYou have not won anything yet\n\n";

else

cout<<"\n\t\tYou have won "<<money[level-2];

cout<<"\n\t\tPress Enter to confirm Quitting\n\t\t \n \t\tTo

return to Quiz, press any other key and then press Enter\t";

cin.get(ch);

if (ch =='\n')

exit(0);

else

{

--i;

goto start;

}

}

else if(answer=='M')

{

clrscr();

cout<<"\n\n\tGoing to Menu.";

if(i==0)

cout<<"\n\t\t\tYou have not won anything yet\n\n";

else

cout<<"\n\t\tYou have won "<<money[level-2];

cout<<"\n\t\tPress enter to confirm going to Menu \n\t\t \n

\t\tTo Return to Quiz, press any other key and then press

Enter\t";

cin.get(ch);

if (ch =='\n')

return '2';

else

{

--i;

goto start;

}

}

else

{

cout<<"\n\n\tSorry, your answer is incorrect. The Correct

answer is "<< ans[level-1]<<endl;

Beep(800,200);

Beep(600,200);

Beep(500,300);

cout<<"\n\t\tPress Enter to Continue\n\t";

cin.get(ch);

cin.get(ch);

if (ch =='\n'&& level>1)

{

clrscr();

cout<<"\n\t You have won a Total of "<<money[level-

2]<<” Rupees”;

cout<<"\n\t\tPress Enter to Continue\n\t";

cin.get(ch);

return '2';

}

else

{

cout<<"\n\tYou didn't win any money";

cout<<"\n\t\tPress Enter to Continue\n\t";

cin.get(ch);

return '2';

}

}

}