**COMPUTER SCIENCE PROJECT**

**NATIONAL QUIZ CHALLENGE**

**Developed by**

**Aditya Ramachandran**

**R.B.Abishek**

**XI - ‘A’**

COMPUTER SCIENCE-PROJECT

CODE SEGMENT

#include<iostream.h>

#include<conio.h>

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

#include<ctype.h>

#include<time.h>

#include<process.h>

#include<iomanip.h>

#include<math.h>

char q[20][100],a1[20][40],a2[20][40],a3[20][40],a4[20][40],u[10][20],p[10][20],p1[20];

int i=0,j=0,k=0,l=0,m,n,ch,correct[10],marks[20],marks1[20];

void registration(char u[10][20],char p[10][20])

{int y=0,h;

for(y=0;y<20;y++)

{u[i][y]=0;

p[i][y]=0;

p1[y]=0;

}

int r=0;

char c;

u:cout<<"\t\tREGISTRATION\n";

cout<<"\n\tUSERNAME:";

gets(u[i]);

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

{if(strcmpi(u[h],u[i])==0)

{cout<<"Username already exists.Please enter another name\n";

getch();

clrscr();

goto u;

}

}

cout<<"\n\tPASSWORD:";

do

{c=getch();

if(int(c)!=13)

{putchar('\*');

p[i][r]=c;

r++;

}

else

break;

}

while(int(c)!=13);

x1:r=0;

cout<<"\n\n\tRE-ENTER PASSWORD:";

for(y=0;y<20;y++)

{

p1[y]=0;

}

do

{c=getch();

if(int(c)!=13)

{putchar('\*');

p1[r]=c;

r++;

}

else

break;

}

while(int(c)!=13);

getch();

if(strcmp(p1,p[i])!=0)

{cout<<"\n\tPasswords do not match.";

cout<<"\n\tPlease re-enter the password";

getch();

goto x1;

}

++i;

clrscr();

}

void instructions()

{

clrscr();

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

cout<<"\n\t\*The Quiz consists of 2 rounds-Qualifications and Finals\n";

cout<<"\t\*Firstly, the candidate has to register before he/she\n";

cout<<"\t can take part in the Quiz\n";

cout<<"\t\*The Qualification round consist of 10 Questions \n";

cout<<"\teach carrying 2 marks\n";

cout<<"\t\*The Finals consist of 8 Questions each carrying 3 marks\n";

cout<<"\t\*A person is needed to get atleast 15 Marks to participate\n";

cout<<"\t in the finals\n";

cout<<"\t\*The scores will be posted in a separate in tabular column\n";

getch();

}

void qualification(char q[20][100],char a1[20][40],char a2[20][40],char a3[20][40],char a4[20][40],int marks[20])

{int flag=0,a,e=0,z=0;

char name[20],password[20],d;

cout<<"\t\tQUALIFICATION ROUND\n\n";

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

x:for( z=0;z<20;z++)

{name[z]=0;

password[z]=0;

}

cout<<"\n\tUSERNAME:";

gets(name);

cout<<"\n\tPASSWORD:";

e=0;

do

{d=getch();

if(int(d)!=13)

{putchar('\*');

password[e]=d;

e++;

}

else

break;

}

while(int(d)!=13);

for(k=0;(k<i)&&(flag==0);++k)

{if((strcmpi(name,u[k])==0)&&(strcmp(password,p[k])==0))

{flag=1;

a=k;

}

}

if(flag==0)

{cout<<"Username or Password Invalid\n";

getch();

clrscr();

goto x;

}

clrscr();

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

{b:cout<<"\n\n\t\tQUESTION NO:"<<k+1<<endl;

cout<<"\n\t";

puts(q[k]);

cout<<"\tThe Options are:\n";

cout<<"1) ";puts(a1[k]);

cout<<"2) ";puts(a2[k]);

cout<<"3) ";puts(a3[k]);

cout<<"4) ";puts(a4[k]);

cout<<"\tEnter your choice:";

cin>>n;

if((n>4)||(n<1))

{cout<<"\n\tInvalid choice\n";

getch();

clrscr();

goto b;

}

if(n==(correct[k]))

{marks[a]+=2;

}

getch();

clrscr();

}

if(marks[a]>=15)

{marks[a]-=2;

cout<<"\n\n\n\tYour marks:"<<marks[a]<<endl;

cout<<" Congratulations,You are selected for Finals\n";

}

else

{cout<<"Your marks:"<<marks[a]<<endl;

cout<<"Sorry,you are not selected for the Finals\n";

}

getch();

}

void finals(char q[20][100],char a1[20][40],char a2[20][40],char a3[20][40],char a4[20][40],int marks[20])

{int flag=0,a,e=0,z=0;

char name[20],password[20],d;

cout<<"\t\tTHE GRAND FINALS\n\n";

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

x:for( z=0;z<20;z++)

{name[z]=0;

password[z]=0;

}

cout<<"\n\tUSERNAME:";

gets(name);

cout<<"\n\tPASSWORD:";

e=0;

do

{d=getch();

if(int(d)!=13)

{putchar('\*');

password[e]=d;

e++;

}

else

break;

}

while(int(d)!=13);

for(k=0;(k<i)&&(flag==0);++k)

{if((strcmpi(name,u[k])==0)&&(strcmp(password,p[k])==0))

{flag=1;

a=k;

getch();

}

}

if(flag==0)

{cout<<"Username or Password Invalid\n";

getch();

clrscr();

goto x;

}

if(marks[a]<15)

{cout<<"\n\tYour Qualification Round Score:"<<marks[a]<<endl;

cout<<"\n\tSorry ,You are not eligible to participate in the finals\n";

getch();

}

else

{clrscr();

for(k=10;k<18;++k)

{b:cout<<"\n\n\t\tQUESTION NO:"<<k-10+1<<endl;

cout<<"\n\t";

puts(q[k]);

cout<<"\tThe Options are:\n";

cout<<"1) ";puts(a1[k]);

cout<<"2) ";puts(a2[k]);

cout<<"3) ";puts(a3[k]);

cout<<"4) ";puts(a4[k]);

cout<<"\tEnter your choice:";

cin>>n;

if((n>4)||(n<1))

{cout<<"\n\tInvalid choice\n";

getch();

clrscr();

goto b;

}

if(n==(correct[k]))

{marks1[a]+=3;

}

getch();

clrscr();

}

clrscr();

marks1[a]+=3;

cout<<"\n\n\n\tYour Grand Finals Marks:"<<marks1[a]<<endl;

getch();

if(marks1[a]<10)

{cout<<"Your performance is Satisfactory.\n";

cout<<"Better luck next time\n";

getch();

}

else if((marks1[a]>=10)&&(marks1[a]<20))

{cout<<"You have done exceedingly well!!\n";

getch();

}

else

{cout<<"Excellent performance.\nKeep it up\n";

getch();

}

}

}

void score(char u[10][20],int marks[20],int marks1[20])

{cout<<"\n\tSCORES\n";

cout<<"S.No.\tUsername\tQualification Scores\tFinal scores\n";

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

{cout<<j+1<<"\t";

cout<<u[j]<<"\t\t\t";

cout<<marks[j]<<"\t\t\t";

if(marks[j]>=15)

cout<<marks1[j];

else

cout<<"N.A";

cout<<endl;

}

getch();

}

void main()

{clrscr();

for(m=0;m<20;m++)

{marks1[m]=0;

marks[m]=0;

}

strcpy(q[0],"What is the botanical name of wheat?");

strcpy(q[1],"What is the official language of Algeria?");

strcpy(q[2],"What is the national sport of Croatia?");

strcpy(q[3],"Which is capital city of South Africa?");

strcpy(q[4],"Who is called the \" Frontier Gandhi \"?");

strcpy(q[5],"Who was the 41st president of United States of America?");

strcpy(q[6],"Who started Google?");

strcpy(q[7],"Which is the Asian equivalent of Nobel Prize?");

strcpy(q[8],"What is the basic monomer of Polythene?");

strcpy(q[9],"Name the largest freshwater lake in the world?");

strcpy(q[10],"Where would you find the sea of tranquillity?");

strcpy(q[11],"What is the another name for lexicon?");

strcpy(q[12],"Give the alternate name for a mountain ash tree");

strcpy(q[13],"In Football who was nicknamed \'the divine ponytail\'?");

strcpy(q[14],"What is John Leach famous for making?");

strcpy(q[15],"When did the Vietnam war end?");

strcpy(q[16],"Name the greatest reducing agent in inorganic reactions?");

strcpy(q[17],"How many inches make up a foot?");

strcpy(a1[0],"Triticum aestivum");

strcpy(a2[0],"Oryza sativa");

strcpy(a3[0],"Mangifera indica");

strcpy(a4[0],"Psidium guajava");

strcpy(a1[1],"English");

strcpy(a2[1],"Persian");

strcpy(a3[1],"Arabic");

strcpy(a4[1],"Berber");

strcpy(a1[2],"Volleyball");

strcpy(a2[2],"Futsal");

strcpy(a3[2],"Football");

strcpy(a4[2],"Boxing");

strcpy(a1[3],"Pretoria");

strcpy(a2[3],"Bloemfontein");

strcpy(a3[3],"Cape Town");

strcpy(a4[3],"All of the above");

strcpy(a1[4],"Khan Abdul Ghaffar Khan");

strcpy(a2[4],"Maulana Abul Kalam Azad");

strcpy(a3[4],"Mohammad Ali Jinnah");

strcpy(a4[4],"Jawaharlal Nehru");

strcpy(a1[5],"Ronald Reagan");

strcpy(a2[5],"George H.W. Bush");

strcpy(a3[5],"George W. Bush");

strcpy(a4[5],"Bill Clinton");

strcpy(a1[6],"Larry Page & Sergey Brin");

strcpy(a2[6],"Eric Schmidt & John Battelle");

strcpy(a3[6],"Sergey Brin & Eric Schmidt");

strcpy(a4[6],"Andy Rubin & Vic Gundotra");

strcpy(a1[7],"Ramon Magsaysay Award");

strcpy(a2[7],"Pulitzer Prize");

strcpy(a3[7],"International Gandhi Peace Prize");

strcpy(a4[7],"Shanti Swarup Bhatnagar");

strcpy(a1[8],"Methane");

strcpy(a2[8],"Ethane");

strcpy(a3[8],"Ethene");

strcpy(a4[8],"Ethoxy Ethene");

strcpy(a1[9],"Lake Superior");

strcpy(a2[9],"Dal lake");

strcpy(a3[9],"Lake Michigan");

strcpy(a4[9],"Lake Ontario");

strcpy(a1[10],"The earth");

strcpy(a2[10],"The moon");

strcpy(a3[10],"The mars");

strcpy(a4[10],"The venus");

strcpy(a1[11],"Dictionary");

strcpy(a2[11],"Telegram");

strcpy(a3[11],"Telephone");

strcpy(a4[11],"Paper");

strcpy(a1[12],"Tulpis");

strcpy(a2[12],"Rowan");

strcpy(a3[12],"Flowerdew");

strcpy(a4[12],"Mundi");

strcpy(a1[13],"Peter Beardsley");

strcpy(a2[13],"Roberto Baggio");

strcpy(a3[13],"Rocky Marciano");

strcpy(a4[13],"Rudolf Nureyev");

strcpy(a1[14],"Pottery");

strcpy(a2[14],"Sculptures");

strcpy(a3[14],"Tempera");

strcpy(a4[14],"Colours");

strcpy(a1[15],"1979");

strcpy(a2[15],"1975");

strcpy(a3[15],"1990");

strcpy(a4[15],"1989");

strcpy(a1[16],"Lithium");

strcpy(a2[16],"Potassium");

strcpy(a3[16],"Caesium");

strcpy(a4[16],"Rubidium");

strcpy(a1[17],"12");

strcpy(a2[17],"13");

strcpy(a3[17],"10");

strcpy(a4[17],"8");

correct[0]=1;

correct[1]=3;

correct[2]=3;

correct[3]=4;

correct[4]=1;

correct[5]=2;

correct[6]=1;

correct[7]=1;

correct[8]=3;

correct[9]=1;

correct[10]=2;

correct[11]=1;

correct[12]=2;

correct[13]=2;

correct[14]=1;

correct[15]=2;

correct[16]=1;

correct[17]=1;

a:clrscr();

cout<<”\t\t\t NATIONAL QUIZ CHALLENGE \n”;

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

cout<<"\n\n\n\t\t1.INSTRUCTIONS \n";

cout<<"\t\t2.REGISTRATION\n";

cout<<"\t\t3.QUALIFICATION\n";

cout<<"\t\t4.FINALS\n";

cout<<"\t\t5.SCORES\n";

cout<<"\t\t6.EXIT THE DASHBOARD\n";

cout<<"\n\nEnter the choice\n";

cin>>ch;

clrscr();

switch(ch)

{case 1:{instructions();

getch();

goto a;

}

case 2:{ registration(u,p);

goto a;

}

case 3:{ qualification(q,a1,a2,a3,a4,marks);

goto a;

}

case 4:{ finals(q,a1,a2,a3,a4,marks);

goto a;

}

case 5:{ score(u,marks,marks1);

goto a;

}

case 6:{ exit(0);

getch();

}

default:{cout<<"Please enter a valid choice\n";

goto a;

}

}

}