**QUIZ GAME SHOW**

**1.INTRODUCTION**

**T**his is a simple quiz game show based on c++ language .The game develops the Mind of a child as well as its creative too can be used in leisure time for recreation.

While playing quiz game, the most active part of our body is the brain. As the brain works like a muscle, it needs regular exercises for being healthy and avoid injuries. In fact, a medical study showed that playing quiz decreases the risk of dementia, as well as prevents its symptoms because playing quiz develops brain functioning.

**REQUIREMENTS**

Basic knowledge of C++ language to effectively use it in making project.

**Language used:- C++**

**INTRODUCTION TO C++**

C++ is a computer programming language based on c language .It was created for writing program of different purpose.In 1990’s C++ became most famous popular language.

The C++ was developed by Bjarne Stroustrup at bell lab originally named

“C with classes”.

C++ is a programming language based on object oriented programming language. Having features exception handling, templates.

DESIGNED BY:Bjarne stroustrup

File extension:.cpp

**2. OBJECTIVES OF PROJECT:**

The objective of the game is to develop logical skills using C++.

The learning objectives of this project are:

* To learn how to design and program C++ applications.
* To learn how to use constructors ,loping ,break statements in C++ programs.
* To learn how to write loops and decision statements in C++.
* To learn how to write functions and pass arguments in C++.
* To learn how to read and write files in C++.
* To learn how to design object-oriented programs with C++.
* As an educational tool.
* Develops creativity.
* Builds confidence.

**3. ADVANTAGES OF PROJECT:**

Quiz is played everywhere around the world and brings people of different cultures and backgrounds together. Let’s take a look at the top benefits of learning and playing quiz.

* Some of the problems are being solved, some of them not because of the lack of problem-solving skills. This game helps to increase problem-solving skills.
* It improves the memory of the child.
* It exercises both sides of the brain.
* It increases the creativity of a kid.
* It improves the concentration of a child.
* Quiz teaches the knowledge of every subject.
* It teaches us how to win and lose.
* It help us to focus properly.
* It can be used as an educational tool.
* It develops creativity.
* It builds confidence.
* It helps us to be calm.
* It is real fun to play and enjoy your own making game.

#include<stdio.h>

#include<conio.h>

#include<ctype.h>

#include<stdlib.h>

#include<string.h>

void show\_record();

void reset\_score();

void help();

void edit\_score(float , char []);

int main()

{

int countr,r,r1,count,i,n;

float score;

char choice;

char playername[20];

mainhome:

system("cls");

printf("\t\t\tC PROGRAM QUIZ GAME\n");

printf("\n\t\t\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

printf("\n\t\t\t WELCOME ");

printf("\n\t\t\t to ");

printf("\n\t\t\t THE GAME ");

printf("\n\t\t\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

printf("\n\t\t\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

printf("\n\t\t BECOME A MILLIONAIRE!!!!!!!!!!! ") ;

printf("\n\t\t\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

printf("\n\t\t\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

printf("\n\t\t > Press S to start the game");

printf("\n\t\t > Press V to view the highest score ");

printf("\n\t\t > Press R to reset score");

printf("\n\t\t > press H for help ");

printf("\n\t\t > press Q to quit ");

printf("\n\t\t\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n\n");

choice=toupper(getch());

if (choice=='V')

{

show\_record();

goto mainhome;

}

else if (choice=='H')

{

help();getch();

goto mainhome;

}

else if (choice=='R')

{reset\_score();

getch();

goto mainhome;}

else if (choice=='Q')

exit(1);

else if(choice=='S')

{

system("cls");

printf("\n\n\n\n\n\n\n\n\n\n\t\t\tResister your name:");

gets(playername);

system("cls");

printf("\n ------------------ Welcome %s to C Program Quiz Game --------------------------",playername);

printf("\n\n Here are some tips you might wanna know before playing:");

printf("\n -------------------------------------------------------------------------");

printf("\n >> There are 2 rounds in this Quiz Game,WARMUP ROUND & CHALLANGE ROUND");

printf("\n >> In warmup round you will be asked a total of 3 questions to test your");

printf("\n general knowledge. You are eligible to play the game if you give atleast 2");

printf("\n right answers, otherwise you can't proceed further to the Challenge Round.");

printf("\n >> Your game starts with CHALLANGE ROUND. In this round you will be asked a");

printf("\n total of 10 questions. Each right answer will be awarded $100,000!");

printf("\n By this way you can win upto ONE MILLION cash prize!!!!!..........");

printf("\n >> You will be given 4 options and you have to press A, B ,C or D for the");

printf("\n right option.");

printf("\n >> You will be asked questions continuously, till right answers are given");

printf("\n >> No negative marking for wrong answers!");

printf("\n\n\t!!!!!!!!!!!!! ALL THE BEST !!!!!!!!!!!!!");

printf("\n\n\n Press Y to start the game!\n");

printf("\n Press any other key to return to the main menu!");

if (toupper(getch())=='Y')

{

goto home;

}

else

{

goto mainhome;

system("cls");

}

home:

system("cls");

count=0;

for(i=1;i<=3;i++)

{

system("cls");

r1=i;

switch(r1)

{

case 1:

printf("\n\nWhich of the following is a Palindrome number?");

printf("\n\nA.42042\t\tB.101010\n\nC.23232\t\tD.01234");

if (toupper(getch())=='C')

{

printf("\n\nCorrect!!!");count++;

getch();

break;

}

else

{

printf("\n\nWrong!!! The correct answer is C.23232");

getch();

break;

}

case 2:

printf("\n\n\nThe country with the highest environmental performance index is...");

printf("\n\nA.France\t\tB.Denmark\n\nC.Switzerland\t\tD.Finland");

if (toupper(getch())=='C')

{printf("\n\nCorrect!!!");count++;

getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is C.Switzerland");

getch();

break;}

case 3:

printf("\n\n\nWhich animal laughs like human being?");

printf("\n\nA.Polar Bear\t\tB.Hyena\n\nC.Donkey\t\tD.Chimpanzee");

if (toupper(getch())=='B')

{printf("\n\nCorrect!!!");count++;

getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is B.Hyena");

getch();

break;}

case 4:

printf("\n\n\nWho was awarded the youngest player award in Fifa World Cup 2006?");

printf("\n\nA.Wayne Rooney\t\tB.Lucas Podolski\n\nC.Lionel Messi\t\tD.Christiano Ronaldo");

if (toupper(getch())=='B')

{printf("\n\nCorrect!!!");count++;

getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is B.Lucas Podolski");

getch();

break;}

case 5:

printf("\n\n\nWhich is the third highest mountain in the world?");

printf("\n\nA.Mt. K2\t\tB.Mt. Kanchanjungha\n\nC.Mt. Makalu\t\tD.Mt. Kilimanjaro");

if (toupper(getch())=='B')

{printf("\n\nCorrect!!!");count++;

getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is B.Mt. Kanchanjungha");

getch();

break;}

case 6:

printf("\n\n\nWhat is the group of frogs known as?");

printf("\n\nA.A traffic\t\tB.A toddler\n\nC.A police\t\tD.An Army");

if (toupper(getch())=='D' )

{printf("\n\nCorrect!!!");count++;

getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is D.An Army");

getch();

break;}}

}

if(count>=2)

{goto test;}

else

{

system("cls");

printf("\n\nSORRY YOU ARE NOT ELIGIBLE TO PLAY THIS GAME, BETTER LUCK NEXT TIME");

getch();

goto mainhome;

}

test:

system("cls");

printf("\n\n\t\*\*\* CONGRATULATION %s you are eligible to play the Game \*\*\*",playername);

printf("\n\n\n\n\t!Press any key to Start the Game!");

if(toupper(getch())=='p')

{goto game;}

game:

countr=0;

for(i=1;i<=10;i++)

{system("cls");

r=i;

switch(r)

{

case 1:

printf("\n\nWhat is the National Game of England?");

printf("\n\nA.Football\t\tB.Basketball\n\nC.Cricket\t\tD.Baseball");

if (toupper(getch())=='C')

{printf("\n\nCorrect!!!");countr++;getch();

break;getch();}

else

{printf("\n\nWrong!!! The correct answer is C.Cricket");getch();

goto score;

break;}

case 2:

printf("\n\n\nStudy of Earthquake is called............,");

printf("\n\nA.Seismology\t\tB.Cosmology\n\nC.Orology\t\tD.Etimology");

if (toupper(getch())=='A')

{printf("\n\nCorrect!!!");countr++;getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is A.Seismology");getch();

goto score;

break;

}

case 3:

printf("\n\n\nAmong the top 10 highest peaks in the world, how many lie in Nepal? ");

printf("\n\nA.6\t\tB.7\n\nC.8\t\tD.9");

if (toupper(getch())=='C')

{printf("\n\nCorrect!!!");countr++;getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is C.8");getch();

goto score;

break;}

case 4:

printf("\n\n\nThe Laws of Electromagnetic Induction were given by?");

printf("\n\nA.Faraday\t\tB.Tesla\n\nC.Maxwell\t\tD.Coulomb");

if (toupper(getch())=='A')

{printf("\n\nCorrect!!!");countr++;getch();

break;}

else

{

printf("\n\nWrong!!! The correct answer is A.Faraday");getch();

goto score;

break;

}

case 5:

printf("\n\n\nIn what unit is electric power measured?");

printf("\n\nA.Coulomb\t\tB.Watt\n\nC.Power\t\tD.Units");

if (toupper(getch())=='B')

{printf("\n\nCorrect!!!");countr++;getch(); break;}

else

{

printf("\n\nWrong!!! The correct answer is B.Power");

getch();

goto score;

break;

}

case 6:

printf("\n\n\nWhich element is found in Vitamin B12?");

printf("\n\nA.Zinc\t\tB.Cobalt\n\nC.Calcium\t\tD.Iron");

if (toupper(getch())=='B' )

{printf("\n\nCorrect!!!");countr++;getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is B.Cobalt");goto score;

getch();

break;}

case 7:

printf("\n\n\nWhat is the National Name of Japan?");

printf("\n\nA.Polska\t\tB.Hellas\n\nC.Drukyul\t\tD.Nippon");

if (toupper(getch())=='D')

{printf("\n\nCorrect!!!");countr++;getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is D.Nippon");getch();

goto score;

break;}

case 8:

printf("\n\n\nHow many times a piece of paper can be folded at the most?");

printf("\n\nA.6\t\tB.7\n\nC.8\t\tD.Depends on the size of paper");

if (toupper(getch())=='B')

{printf("\n\nCorrect!!!");countr++;getch(); break;}

else

{printf("\n\nWrong!!! The correct answer is B.7");getch();

goto score;

break;}

case 9:

printf("\n\n\nWhat is the capital of Denmark?");

printf("\n\nA.Copenhagen\t\tB.Helsinki\n\nC.Ajax\t\tD.Galatasaray");

if (toupper(getch())=='A')

{printf("\n\nCorrect!!!");countr++; getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is A.Copenhagen");getch();

goto score;

break;}

case 10:

printf("\n\n\nWhich is the longest River in the world?");

printf("\n\nA.Nile\t\tB.Koshi\n\nC.Ganga\t\tD.Amazon");

if (toupper(getch())=='A')

{printf("\n\nCorrect!!!");countr++;getch(); break;}

else

{printf("\n\nWrong!!! The correct answer is A.Nile");getch();break;goto score;}

case 11:

printf("\n\n\nWhat is the color of the Black Box in aeroplanes?");

printf("\n\nA.White\t\tB.Black\n\nC.Orange\t\tD.Red");

if (toupper(getch())=='C')

{printf("\n\nCorrect!!!");countr++;getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is C.Orange");getch();

break;goto score;}

case 12:

printf("\n\n\nWhich city is known at 'The City of Seven Hills'?");

printf("\n\nA.Rome\t\tB.Vactican City\n\nC.Madrid\t\tD.Berlin");

if (toupper(getch())=='A')

{printf("\n\nCorrect!!!");countr++;getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is A.Rome");getch();

break;goto score;}

case 13:

printf("\n\n\nName the country where there no mosquitoes are found?");

printf("\n\nA.Japan\t\tB.Italy\n\nC.Argentina\t\tD.France");

if (toupper(getch())=='D')

{printf("\n\nCorrect!!!");countr++;getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is D.France");getch();

break;goto score;}

case 14:

printf("\n\n\nWho is the author of 'Pulpasa Cafe'?");

printf("\n\nA.Narayan Wagle\t\tB.Lal Gopal Subedi\n\nC.B.P. Koirala\t\tD.Khagendra Sangraula");

if (toupper(getch())=='A')

{printf("\n\nCorrect!!!");countr++;getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is A.Narayan Wagle");getch();

break;goto score;}

case 15:

printf("\n\n\nWhich Blood Group is known as the Universal Recipient?");

printf("\n\nA.A\t\tB.AB\n\nC.B\t\tD.O");

if (toupper(getch())=='B')

{printf("\n\nCorrect!!!");countr++;getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is B.AB");getch();

goto score;

break;}

case 16:

printf("\n\n\nWhat is the unit of measurement of distance between Stars?");

printf("\n\nA.Light Year\t\tB.Coulomb\n\nC.Nautical Mile\t\tD.Kilometer");

if (toupper(getch())=='A')

{printf("\n\nCorrect!!!");countr++; getch();

break;

}

else

{printf("\n\nWrong!!! The correct answer is A.Light Year");getch();

goto score;

break;}

case 17:

printf("\n\n\nThe country famous for Samba Dance is........");

printf("\n\nA.Brazil\t\tB.Venezuela\n\nC.Nigeria\t\tD.Bolivia");

if (toupper(getch())=='A')

{printf("\n\nCorrect!!!");countr++; getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is A.Brazil");getch();goto score;

break;}

case 18:

printf("\n\n\nWind speed is measure by\_\_\_\_\_\_\_\_\_\_?");

printf("\n\nA.Lysimeter\t\tB.Air vane\n\nC.Hydrometer\t\tD.Anemometer\n\n");

if (toupper(getch())=='D')

{printf("\n\nCorrect!!!");countr++; getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is D.Anemometer");getch();goto score;

break;}

case 19:

printf("\n\n\nWhich city in the world is popularly known as The City of Temple?");

printf("\n\nA.Delhi\tB.Bhaktapur\n\nC.Kathmandu\tD.Agra\n\n");

if (toupper(getch())=='C')

{printf("\n\nCorrect!!!");countr++; getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is C.Kathmandu");getch();goto score;

break;}

case 20:

printf("\n\n\nWhich hardware was used in the First Generation Computer?");

printf("\n\nA.Transistor\t\tB.Valves\n\nC.I.C\t\tD.S.S.I");

if (toupper(getch())=='B')

{printf("\n\nCorrect!!!");countr++; getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is B.Valves");getch();goto score;

break;}

case 21:

printf("\n\n\nOzone plate is being destroyed regularly because of\_\_\_\_ ?");

printf("\n\nA.L.P.G\t\tB.Nitrogen\n\nC.Methane\t\tD. C.F.C");

if (toupper(getch())=='D')

{printf("\n\nCorrect!!!");countr++; getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is D. C.F.C");getch();goto score;

break;}

case 22:

printf("\n\n\nWho won the Women's Australian Open Tennis in 2007?");

printf("\n\nA.Martina Hingis\t\tB.Maria Sarapova\n\nC.Kim Clijster\t\tD.Serena Williams");

if (toupper(getch())=='D')

{printf("\n\nCorrect!!!");countr++; getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is D.Serena Williams");getch();goto score;

break;}

case 23:

printf("\n\n\nWhich film was awarded the Best Motion Picture at Oscar in 2010?");

printf("\n\nA.The Secret in their Eyes\t\tB.Shutter Island\n\nC.The King's Speech\t\tD.The Reader");

if (toupper(getch())=='C')

{printf("\n\nCorrect!!!");countr++; getch();

break;}

else

{printf("\n\nWrong!!! The correct answer is C.The King's Speech");getch();goto score;

break;}}}

score:

system("cls");

score=(float)countr\*100000;

if(score>0.00 && score<1000000)

{

printf("\n\n\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* CONGRATULATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

printf("\n\t You won $%.2f",score);goto go;}

else if(score==1000000.00)

{

printf("\n\n\n \t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* CONGRATULATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

printf("\n\t\t\t\t YOU ARE A MILLIONAIRE!!!!!!!!!");

printf("\n\t\t You won $%.2f",score);

printf("\t\t Thank You!!");

}

else

{

printf("\n\n\t\*\*\*\*\*\*\*\* SORRY YOU DIDN'T WIN ANY CASH \*\*\*\*\*\*\*\*");

printf("\n\t\t Thanks for your participation");

printf("\n\t\t TRY AGAIN");goto go;}

go:

puts("\n\n Press Y if you want to play next game");

puts(" Press any key if you want to go main menu");

if (toupper(getch())=='Y')

goto home;

else

{

edit\_score(score,playername);

goto mainhome;}}}

void show\_record()

{system("cls");

char name[20];

float scr;

FILE \*f;

f=fopen("score.txt","r");

fscanf(f,"%s%f",&name,&scr);

printf("\n\n\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

printf("\n\n\t\t %s has secured the Highest Score %0.2f",name,scr);

printf("\n\n\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

fclose(f);

getch();}

void reset\_score()

{system("cls");

float sc;

char nm[20];

FILE \*f;

f=fopen("score.txt","r+");

fscanf(f,"%s%f",&nm,&sc);

sc=0;

fprintf(f,"%s,%.2f",nm,sc);

fclose(f);}

void help()

{system("cls");

printf("\n\n HELP");

printf("\n -------------------------------------------------------------------------");

printf("\n ......................... C program Quiz Game...........");

printf("\n >> There are two rounds in the game, WARMUP ROUND & CHALLANGE ROUND");

printf("\n >> In warmup round you will be asked a total of 3 questions to test your general");

printf("\n knowledge. You will be eligible to play the game if you can give atleast 2");

printf("\n right answers otherwise you can't play the Game...........");

printf("\n >> Your game starts with the CHALLANGE ROUND. In this round you will be asked");

printf("\n total 10 questions each right answer will be awarded $100,000.");

printf("\n By this way you can win upto ONE MILLION cash prize in USD...............");

printf("\n >> You will be given 4 options and you have to press A, B ,C or D for the");

printf("\n right option");

printf("\n >> You will be asked questions continuously if you keep giving the right answers.");

printf("\n >> No negative marking for wrong answers");

printf("\n\n\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*BEST OF LUCK\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

printf("\n\n\t\*\*\*\*\*C PROGRAM QUIZ GAME is developed by NIKHIL & NISHCHAL \*\*\*\*\*\*\*\*");}

void edit\_score(float score, char plnm[20])

{system("cls");

float sc;

char nm[20];

FILE \*f;

f=fopen("score.txt","r");

fscanf(f,"%s%f",&nm,&sc);

if (score>=sc)

{ sc=score;

fclose(f);

f=fopen("score.txt","w");

fprintf(f,"%s\n%.2f",plnm,sc);

fclose(f);}}