**CAPSTONE PROJECT:** C++ QUIZ COMPITITION VALIDATOR

**AIM:** To create and design a quiz competition valitator using c++ that can give total scores

**Programme::(c++)**

#include <iostream>

#include <string>

#include <conio.h>

#include <stdio.h>

using namespace std;

int total\_score=0;

int correct\_answer = 0;

int hints\_used = 0;

string Name[5];

string level;

//the main menu view and some additionl functionalities

int main\_menu\_view()

{

system("color 3F");

cout << "\t\t \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\t\t \*\*\*\*\* \*\*\*\*\*" << endl;

cout << "\t\t \*\*\*\*\* H E L L O ! W E L C O M E T O T H E 'Q U I Z L E T' \*\*\*\*\*" << endl;

cout << "\t\t \*\*\*\*\* = = = = = = = = = = = = = = = = = = = = = = = = \*\*\*\*\*" << endl;

cout << "\t\t \*\*\*\*\* = = = = = = = = = = = = \*\*\*\*\*" << endl;

cout << "\t\t \*\*\*\*\* B Y \*\*\*\*\*" << endl;

cout << "\t\t \*\*\*\*\* R A M C H A N D \*\*\*\*\*" << endl;

cout << "\t\t \*\*\*\*\* \*\*\*\*\*" << endl;

cout << "\t\t \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << endl;

cout << "\t\t\t\t\t\tH O W T O P L A Y\n\n";

cout << "\t\t1. IN THIS QUIZ GAME YOU WILL BE GIVEN 10 'C++ PROGRAMMING LANGUAGE' RELATED QUESTIONS.\n\n";

cout << "\t\t2. IF YOU PRESS INCORRECT KEY, THE PROGRAM WILL AGAIN ASK YOU TO INPUT CORRECT VALUE.\n\n";

cout << "\t\t3. ADDITIONALLY YOU WILL HAVE SOME HINTS WHICH YOU CAN USE FROM the 8TH QUESTION.\n\n";

cout << "\t\t4. YOU WILL LOSE '5' POINTS FROM YOUR OVERALL SCORE IF YOU WILL USE HINTS.\n\n\n\n";

cout << "\t\t\t\t\tPRESS THE 'ENTER' KEY TO START A QUIZ... ";

if (cin.get() == '\n') {

system("cls");

cout << "\t\t\t\t\tI N F O R M A T I O N T A B L E\n\n";

cout << "What is your name? ";

getline(cin, Name[0]);

cout << "What is your level of C++?"<<endl;

cout << "[1]. Junior" << endl;

cout << "[2]. Middle" << endl;

cout << "[3]. Senior" << endl;

do {

cout << "Choose the level of difficulty: ";

cin >> level;

cin.clear();

} while (level != "1"&&level!="2"&&level!="3");

string Respond;

cout << endl;

cout << "Are you ready to take the Quiz " << Name[0] << " ? Yes = 'Yes'/No = 'Any key'. " << endl;

cout << "Your choice: ";

cin >> Respond;

if (Respond == "yes" || Respond == "Yes")

{

cout << endl;

cout << "OK, Good Like!!! " << endl;

system("cls");

return 1;

}

else

{

cout << "OK. Goodbye." << endl;

system("exit");

return 0;

}

}

else

cout << "I meant ONLY the ENTER key... Oh well.\n";

return 0;

}

//the view for the hints in the corner

void hints()

{

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << " \*\* A: Audience help \*\*" << endl;

cout << " \*\* B: 50:50 \*\*" << endl;

cout << " \*\* C: Room for mistake \*\*" << endl;

cout << " \*\* D: Change the question \*\*" << endl;

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

}

//questions

void question1() {

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << " \*\*\*\*\* TOTAL SCORE:" << total\_score << " \*\*\*\*\*" << endl;

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\t\t\t\t\t Q U E S T I O N No. 1"<< endl;

cout << "What is the correct value to return to the operating system upon the successful completion of a program?" << endl;

cout << "[1] -1"<<endl;

cout << "[2] 1" << endl;

cout << "[3] 0" << endl;

cout << "[4] Programs do not return a value" << endl;

string answer;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR CHOICE: ";

cin >> answer;

//limiting the answers of the user

if (answer == "1" || answer == "2" || answer == "3" || answer == "4")

{

if (answer == "3")

{

total\_score += 10;

correct\_answer += 1;

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 10 points out of 10." << endl;

}

else if (answer == "1" || answer == "2" || answer == "4")

{

cout << "W R O N G A N S W E R !!!" << endl;

cout << "You got 0 points out of 10." << endl;

}

cout << endl;

system("pause");

system("cls");

}

else

{

system("cls");

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\t\t\*\*\*\* P L E A S E I N P U T C O R R E C T V A L U E ! \*\*\*\*" << endl;

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << endl;

question1();

}

}

void question2() {

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << " \*\*\*\*\* TOTAL SCORE:" << total\_score << " \*\*\*\*\*" << endl;

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\t\t\t\t\t Q U E S T I O N No. 2" << endl;

cout << "What is the only function all C++ programs must contain?" << endl;

cout << "[1] start()" << endl;

cout << "[2] system()" << endl;

cout << "[3] program()" << endl;

cout << "[4] main()" << endl;

string answer;

cout<<endl;

cout << "\t\t\t\t\tENTER YOUR CHOICE: ";

cin >> answer;

if (answer == "1" || answer == "2" || answer == "3" || answer == "4")

{

if (answer == "4")

{

total\_score += 10;

correct\_answer += 1;

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 10 points out of 10." << endl;

}

else if (answer == "1" || answer == "2" || answer == "3")

{

cout << "W R O N G A N S W E R !!!" << endl;

cout << "You got 0 points out of 10." << endl;

}

cout << endl;

system("pause");

system("cls");

}

else

{

system("cls");

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\t\t\*\*\*\* P L E A S E I N P U T C O R R E C T V A L U E ! \*\*\*\*" << endl;

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << endl;

question2();

}

}

void question3() {

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << " \*\*\*\*\* TOTAL SCORE:" << total\_score << " \*\*\*\*\*" << endl;

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\t\t\t\t\t Q U E S T I O N No. 3" << endl;

cout << "Which of the following is a correct comment?" << endl;

cout << "[1] / Comment /" << endl;

cout << "[2] \*\* Comment \*\*" << endl;

cout << "[3] { Comment }" << endl;

cout << "[4] //comment" << endl;

string answer;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR CHOICE: ";

cin >> answer;

if (answer == "1" || answer == "2" || answer == "3" || answer == "4")

{

if (answer == "4") {

total\_score += 10;

correct\_answer += 1;

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 10 points out of 10." << endl;

}

else if (answer == "1" || answer == "2" || answer == "3")

{

cout << "W R O N G A N S W E R !!!" << endl;

cout << "You got 0 points out of 10." << endl;

}

cout << endl;

system("pause");

system("cls");

}

else

{

system("cls");

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\t\t\*\*\*\* P L E A S E I N P U T C O R R E C T V A L U E ! \*\*\*\*" << endl;

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << endl;

question3();

}

}

void question4() {

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << " \*\*\*\*\* TOTAL SCORE:" << total\_score << " \*\*\*\*\*" << endl;

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\t\t\t\t\t Q U E S T I O N No. 4" << endl;

cout << "Which of the following is the correct operator to compare two variables?" << endl;

cout << "[1] = =" << endl;

cout << "[2] :=" << endl;

cout << "[3] =" << endl;

cout << "[4] ==" << endl;

string answer;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR CHOICE: ";

cin >> answer;

if (answer == "1" || answer == "2" || answer == "3" || answer == "4")

{

if (answer == "4") {

total\_score += 10;

correct\_answer += 1;

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 10 points out of 10." << endl;

}

else if (answer == "1" || answer == "2" || answer == "3")

{

cout << "W R O N G A N S W E R !!!" << endl;

cout << "You got 0 points out of 10." << endl;

}

cout << endl;

system("pause");

system("cls");

}

else

{

system("cls");

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\t\t\*\*\*\* P L E A S E I N P U T C O R R E C T V A L U E ! \*\*\*\*" << endl;

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << endl;

question4();

}

}

void question5() {

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << " \*\*\*\*\* TOTAL SCORE:" << total\_score << " \*\*\*\*\*" << endl;

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\t\t\t\t\t Q U E S T I O N No. 5" << endl;

cout << "Which of the following is a complete function?" << endl;

cout << "[1] int funct();" << endl;

cout << "[2] int funct(int x) {return x=x+1;}" << endl;

cout << "[3] void funct(int) {cout<<'Hello'}" << endl;

cout << "[4] void funct(x) {cout<<'Hello'}" << endl;

string answer;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR CHOICE: ";

cin >> answer;

if (answer == "1" || answer == "2" || answer == "3" || answer == "4")

{

if (answer == "2") {

total\_score += 10;

correct\_answer += 1;

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 10 points out of 10." << endl;

}

else if (answer == "1" || answer == "3" || answer == "4")

{

cout << "W R O N G A N S W E R !!!" << endl;

cout << "You got 0 points out of 10." << endl;

}

cout << endl;

system("pause");

system("cls");

}

else

{

system("cls");

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\t\t\*\*\*\* P L E A S E I N P U T C O R R E C T V A L U E ! \*\*\*\*" << endl;

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << endl;

question5();

}

}

void question6() {

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << " \*\*\*\*\* TOTAL SCORE:" << total\_score << " \*\*\*\*\*" << endl;

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\t\t\t\t\t Q U E S T I O N No. 6" << endl;

cout << "Which is not a proper prototype?" << endl;

cout << "[1] int funct(char x, char y);" << endl;

cout << "[2] double funct(char x)" << endl;

cout << "[3] void funct();" << endl;

cout << "[4] char x();" << endl;

string answer;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR CHOICE: ";

cin >> answer;

if (answer == "1" || answer == "2" || answer == "3" || answer == "4")

{

if (answer == "2")

{

total\_score += 10;

correct\_answer += 1;

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 10 points out of 10." << endl;

}

else if (answer == "1" || answer == "3" || answer == "4")

{

cout << "W R O N G A N S W E R !!!" << endl;

cout << "You got 0 points out of 10." << endl;

}

cout << endl;

system("pause");

system("cls");

}

else

{

system("cls");

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\t\t\*\*\*\* P L E A S E I N P U T C O R R E C T V A L U E ! \*\*\*\*" << endl;

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << endl;

question6();

}

}

void question7() {

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << " \*\*\*\*\* TOTAL SCORE:" << total\_score << " \*\*\*\*\*" << endl;

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\t\t\t\t\t Q U E S T I O N No. 7" << endl;

cout << "Which of the following is a two-dimensional array?" << endl;

cout << "[1] array anarray[20][20];" << endl;

cout << "[2] int anarray[20][20];" << endl;

cout << "[3] int array[20, 20];" << endl;

cout << "[4] char array[20];" << endl;

string answer;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR CHOICE: ";

cin >> answer;

if (answer == "1" || answer == "2" || answer == "3" || answer == "4")

{

if (answer == "2") {

total\_score += 10;

correct\_answer += 1;

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 10 points out of 10." << endl;

}

else if (answer == "1" || answer == "3" || answer == "4")

{

cout << "W R O N G A N S W E R !!!" << endl;

cout << "You got 0 points out of 10." << endl;

}

cout << endl;

system("pause");

system("cls");

}

else

{

system("cls");

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\t\t\*\*\*\* P L E A S E I N P U T C O R R E C T V A L U E ! \*\*\*\*" << endl;

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << endl;

question7();

}

}

void question8() {

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << " \*\*\*\*\* TOTAL SCORE:" << total\_score << " \*\*\*\*\*" << endl;

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

hints();

cout << "\t\t\t\t\t Q U E S T I O N No. 8" << endl;

cout << "Evaluate !(1 && !(0 || 1))." << endl;

cout << "[1] True" << endl;

cout << "[2] False" << endl;

cout << "[3] Unevaluatable" << endl;

string answer;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR CHOICE: ";

cin >> answer;

//limiting the answers of the user

if (answer == "1" || answer == "2" || answer == "3" )

{

if (answer == "1") {

total\_score += 10;

correct\_answer += 1;

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 10 points out of 10." << endl;

}

else if (answer == "2" || answer == "3")

{

cout << "W R O N G A N S W E R !!!" << endl;

cout << "You got 0 points out of 10." << endl;

}

cout << endl;

system("pause");

system("cls");

}

//if cases for the hints

else if (answer == "A" || answer == "a")

{

hints\_used++;

cout << endl;

cout << "Audience prediction is... " << endl;

cout << "[1] 42%" << endl;

cout << "[2] 38%" << endl;

cout << "[3] 20%" << endl;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR CHOICE: ";

cin >> answer;

if (answer == "1") {

total\_score += 5;

correct\_answer += 1;

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 10 points out of 5." << endl;

}

else if (answer == "2" || answer == "3")

{

cout << "W R O N G A N S W E R !!!" << endl;

cout << "You got 0 points out of 5." << endl;

}

cout << endl;

system("pause");

system("cls");

}

else if (answer == "B" || answer == "b")

{

hints\_used++;

system("cls");

cout << "Now you have chance to choose two answers. If one of them will correct you will take 5 points." << endl;

cout << "\t\t\t\t\tQ U E S T I O N No. 8" << endl;

cout << "Evaluate !(1 && !(0 || 1))." << endl;

cout << "[1] True" << endl;

cout << "[2] False" << endl;

cout << "[3] Unevaluatable" << endl;

string answer1, answer2;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR FIRST CHOICE: ";

cin >> answer1;

cout << "\t\t\t\t\tENTER YOUR SECOND CHOICE: ";

cin >> answer2;

if (answer1 == "1" || answer2 == "1")

{

total\_score += 5;

correct\_answer += 1;

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 5 points out of 5." << endl;

}

else

{

cout << "W R O N G A N S W E R !!!" << endl;

cout << "You got 0 points out of 5." << endl;

}

cout << endl;

system("pause");

system("cls");

}

else if (answer == "C" || answer == "c")

{

hints\_used++;

system("cls");

cout << "Now you have chance to answer incorrectly. You will take 5 points for this question." << endl;

cout << "\t\t\t\t\tQ U E S T I O N No. 8" << endl;

cout << "Evaluate !(1 && !(0 || 1))." << endl;

cout << "[1] True" << endl;

cout << "[2] False" << endl;

cout << "[3] Unevaluatable" << endl;

string answer;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR CHOICE: ";

cin >> answer;

total\_score += 5;

correct\_answer += 1;

if(answer=="1")

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 5 points out of 5." << endl;

cout << endl;

system("pause");

system("cls");

}

else if (answer == "D" || answer == "d")

{

hints\_used++;

system("cls");

cout << "\t T H I S I S A N E W Q U E S T I O N. Y O U W I L L G E T 5 P O I N T S. " << endl;

cout << endl;

cout << "When did INHA UNivercity in TAshkent established?." << endl;

cout << "[1] 2014" << endl;

cout << "[2] 1968" << endl;

cout << "[3] 2015" << endl;

string answer;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR CHOICE: ";

cin >> answer;

if (answer == "1") {

total\_score += 5;

correct\_answer += 1;

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 5 points out of 5." << endl;

}

else if (answer == "2" || answer == "3")

{

cout << "W R O N G A N S W E R !!!" << endl;

cout << "You got 0 points out of 5." << endl;

}

cout << endl;

system("pause");

system("cls");

}

else

{

system("cls");

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\t\t\*\*\*\* P L E A S E I N P U T C O R R E C T V A L U E ! \*\*\*\*" << endl;

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << endl;

question8();

}

}

void question9() {

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << " \*\*\*\*\* TOTAL SCORE:" << total\_score << " \*\*\*\*\*" << endl;

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

hints();

cout << "\t\t\t\t\t Q U E S T I O N No. 9" << endl;

cout << "What is the result of the program below?" << endl;

cout << " int x = 10; " << endl;

cout << " int y = 70; " << endl;

cout << " x = x + y; " << endl;

cout << " y = x - y; " << endl;

cout << " x = x - y; " << endl;

cout << endl;

cout << "[1] x=70, y=10" << endl;

cout << "[2] x=10, y=70" << endl;

cout << "[3] x=60, y=20" << endl;

cout << "[4] x=20, y=60" << endl;

string answer;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR CHOICE: ";

cin >> answer;

if (answer == "1" || answer == "2" || answer == "3" || answer == "4")

{

if (answer == "1") {

total\_score += 10;

correct\_answer += 1;

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 10 points out of 10." << endl;

}

else if (answer == "2" || answer == "3" || answer == "4")

{

cout << "W R O N G A N S W E R !!!" << endl;

cout << "You got 0 points out of 10." << endl;

}

cout << endl;

system("pause");

system("cls");

}

else if (answer == "A" || answer == "a")

{

hints\_used++;

cout << endl;

cout << "Audience prediction is... " << endl;

cout << "[1] 30%" << endl;

cout << "[2] 25%" << endl;

cout << "[3] 20%" << endl;

cout << "[4] 25%" << endl;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR CHOICE: ";

cin >> answer;

if (answer == "1") {

total\_score += 5;

correct\_answer += 1;

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 5 points out of 5." << endl;

}

else if (answer == "2" || answer == "3" || answer == "4")

{

cout << "W R O N G A N S W E R !!!" << endl;

cout << "You got 0 points out of 5." << endl;

}

cout << endl;

system("pause");

system("cls");

}

else if (answer == "B" || answer == "b")

{

hints\_used++;

system("cls");

cout << "Now you have chance to choose two answers. If one of them will correct you will take 5 points." << endl;

cout << "\t\t\t\t\tQ U E S T I O N No. 9" << endl;

cout << "What is the result of the program below?" << endl;

cout << " int x = 10; " << endl;

cout << " int y = 70; " << endl;

cout << " x = x + y; " << endl;

cout << " y = x - y; " << endl;

cout << " x = x - y; " << endl;

cout << endl;

cout << "[1] x=70, y=10" << endl;

cout << "[2] x=10, y=70" << endl;

cout << "[3] x=60, y=20" << endl;

cout << "[4] x=20, y=60" << endl;

string answer1, answer2;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR FIRST CHOICE: ";

cin >> answer1;

cout << "\t\t\t\t\tENTER YOUR SECOND CHOICE: ";

cin >> answer2;

if (answer1 == "1" || answer2 == "1")

{

total\_score += 5;

correct\_answer += 1;

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 5 points out of 5." << endl;

}

else

{

cout << "W R O N G A N S W E R !!!" << endl;

cout << "You got 0 points out of 5." << endl;

}

cout << endl;

system("pause");

system("cls");

}

else if (answer == "C" || answer == "c")

{

hints\_used++;

system("cls");

cout << "Now you have chance to answer incorrectly. You will take 5 points for this question." << endl;

cout << "\t\t\t\t\tQ U E S T I O N No. 9" << endl;

cout << "What is the result of the program below?" << endl;

cout << " int x = 10; " << endl;

cout << " int y = 70; " << endl;

cout << " x = x + y; " << endl;

cout << " y = x - y; " << endl;

cout << " x = x - y; " << endl;

cout << endl;

cout << "[1] x=70, y=10" << endl;

cout << "[2] x=10, y=70" << endl;

cout << "[3] x=60, y=20" << endl;

cout << "[4] x=20, y=60" << endl;

string answer;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR CHOICE: ";

cin >> answer;

total\_score += 5;

correct\_answer += 1;

if (answer == "1")

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 5 points out of 5." << endl;

cout << endl;

system("pause");

system("cls");

}

else if (answer == "D" || answer == "d") {

hints\_used++;

system("cls");

cout << "\t T H I S I S A N E W Q U E S T I O N. Y O U W I L L G E T 5 P O I N T S. " << endl;

cout << endl;

cout << "When did INHA UNivercity in TAshkent established?." << endl;

cout << "[1] 2014" << endl;

cout << "[2] 1968" << endl;

cout << "[3] 2015" << endl;

string answer;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR CHOICE: ";

cin >> answer;

if (answer == "1") {

total\_score += 5;

correct\_answer += 1;

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 5 points out of 5." << endl;

}

else if (answer == "2" || answer == "3")

{

cout << "W R O N G A N S W E R !!!" << endl;

cout << "You got 0 points out of 5." << endl;

}

cout << endl;

system("pause");

system("cls");

}

else

{

system("cls");

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\t\t\*\*\*\* P L E A S E I N P U T C O R R E C T V A L U E ! \*\*\*\*" << endl;

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << endl;

question9();

}

}

void question10() {

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << " \*\*\*\*\* TOTAL SCORE:" << total\_score << " \*\*\*\*\*" << endl;

cout << " \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

hints();

cout << "\t\t\t\t\t Q U E S T I O N No. 10" << endl;

cout << "What will i and j equal after the code below is executed?" << endl;

cout << "int i = 5;" << endl;

cout << "int j = i++;" << endl;

cout << "[1] i=5, j=5 " << endl;

cout << "[2] i=5, j=4" << endl;

cout << "[3] i=5, j=6" << endl;

cout << "[4] ERROR" << endl;

string answer;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR CHOICE: ";

cin >> answer;

if (answer == "1" || answer == "2" || answer == "3" || answer == "4")

{

if (answer == "3") {

total\_score += 10;

correct\_answer += 1;

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 10 points out of 10." << endl;

}

else if (answer == "1" || answer == "2" || answer == "4")

{

cout << "W R O N G A N S W E R !!!" << endl;

cout << "You got 0 points out of 10." << endl;

}

cout << endl;

system("pause");

system("cls");

}

else if (answer == "A" || answer == "a")

{

hints\_used++;

cout << endl;

cout << "Audience prediction is... " << endl;

cout << "[1] 30%" << endl;

cout << "[2] 25%" << endl;

cout << "[3] 20%" << endl;

cout << "[4] 25%" << endl;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR CHOICE: ";

cin >> answer;

if (answer == "3") {

total\_score += 5;

correct\_answer += 1;

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 5 points out of 5." << endl;

}

else if (answer == "1" || answer == "2" || answer == "4")

{

cout << "W R O N G A N S W E R !!!" << endl;

cout << "You got 0 points out of 5." << endl;

}

cout << endl;

system("pause");

system("cls");

}

else if (answer == "B" || answer == "b")

{

hints\_used++;

system("cls");

cout << "Now you have chance to choose two answers. If one of them will correct you will take 5 points." << endl;

cout << "\t\t\t\t\tQ U E S T I O N No. 10" << endl;

cout << "What will i and j equal after the code below is executed?" << endl;

cout << "int i = 5;" << endl;

cout << "int j = i++;" << endl;

cout << "[1] i=5, j=5 " << endl;

cout << "[2] i=5, j=4" << endl;

cout << "[3] i=5, j=6" << endl;

cout << "[4] ERROR" << endl;

string answer1, answer2;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR FIRST CHOICE: ";

cin >> answer1;

cout << "\t\t\t\t\tENTER YOUR SECOND CHOICE: ";

cin >> answer2;

if (answer1 == "3" || answer2 == "3")

{

total\_score += 5;

correct\_answer += 1;

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 5 points out of 5." << endl;

}

else

{

cout << "W R O N G A N S W E R !!!" << endl;

cout << "You got 0 points out of 5." << endl;

}

cout << endl;

system("pause");

system("cls");

}

else if (answer == "C" || answer == "c")

{

hints\_used++;

system("cls");

cout << "Now you have chance to answer incorrectly. You will take 5 points for this question." << endl;

cout << "\t\t\t\t\tQ U E S T I O N No. 10" << endl;

cout << "What will i and j equal after the code below is executed?" << endl;

cout << "int i = 5;" << endl;

cout << "int j = i++;" << endl;

cout << "[1] i=5, j=5 " << endl;

cout << "[2] i=5, j=4" << endl;

cout << "[3] i=5, j=6" << endl;

cout << "[4] ERROR" << endl;

string answer;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR CHOICE: ";

cin >> answer;

total\_score += 5;

correct\_answer += 1;

if (answer == "3")

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 5 points out of 5." << endl;

cout << endl;

system("pause");

system("cls");

}

else if (answer == "D" || answer == "d") {

hints\_used++;

system("cls");

cout << "\t T H I S I S A N E W Q U E S T I O N. Y O U W I L L G E T '5' P O I N T S. " << endl;

cout << endl;

cout << "When did INHA UNivercity in TAshkent established?." << endl;

cout << "[1] 2014" << endl;

cout << "[2] 1968" << endl;

cout << "[3] 2015" << endl;

string answer;

cout << endl;

cout << "\t\t\t\t\tENTER YOUR CHOICE: ";

cin >> answer;

if (answer == "1") {

total\_score += 5;

correct\_answer += 1;

cout << "C O R R E C T A N S W E R !!!" << endl;

cout << "You got 5 points out of 5." << endl;

}

else if (answer == "2" || answer == "3")

{

cout << "W R O N G A N S W E R !!!" << endl;

cout << "You got 0 points out of 5." << endl;

}

cout << endl;

system("pause");

system("cls");

}

else

{

system("cls");

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\t\t\*\*\*\* P L E A S E I N P U T C O R R E C T V A L U E ! \*\*\*\*" << endl;

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << endl;

question10();

}

}

//function for the view after game

void after\_game() {

system("cls");

system("color 0A");

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\t\t\*\*\*\*\* \*\*\*\*\*" << endl;

cout << "\t\t\*\*\*\*\* C O N G R A T U L A T I O N S ! ! ! \*\*\*\*\*" << endl;

cout << "\t\t\*\*\*\*\* = = = = = = = = = = = = = = = = = = = = = = = = \*\*\*\*\*" << endl;

cout << "\t\t\*\*\*\*\* = = = = = = = = = = = \*\*\*\*\*" << endl;

cout << "\t\t\*\*\*\*\* \*\*\*\*\*" << endl;

cout << "\t\t\*\*\*\*\* \*\*\*\*\*" << endl;

cout << "\t\t\*\*\*\*\* \*\*\*\*\*" << endl;

cout << "\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << endl;

cout << "\tTOTAL SCORE: " << total\_score << endl;

cout << "\tYOU HAVE ANSWERED FOR '" << correct\_answer << "' QUESTIONS OUT OF 10." << endl;

cout << "\tYOU HAVE USED "<<hints\_used<<" HINTS DURING THE GAME."<<endl;

system("pause");

}

//view for the scores

void scores\_table();

int main() {

int user\_choice;

user\_choice = main\_menu\_view();

if (user\_choice) {

question1();

question2();

question3();

question4();

question5();

question6();

question7();

question8();

question9();

question10();

after\_game();

scores\_table();

return 0;

}

else {

return 0;

}

return 0;

}

void scores\_table()

{

system("cls");

cout << "\t\tH I G H E S T S C O R E S" << endl;

cout << "\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "\*\*\*\*\* 1 Rustam Zokirov \*\*\*" << " \*\*\* " << "100" <<" \*\*\*\*\*"<< endl;

cout << "\*\*\*\*\* 2 Alimov 8 \*\*\*" << " \*\*\* " << "80" << " \*\*\*\*\*" << endl;

cout << "\*\*\*\*\* 3 " << Name[0] << " \*\*\*" << " \*\*\* " << total\_score << " \*\*\*\*\*" << endl;

cout << "\*\*\*\*\* 4 " << Name[1] << " \*\*\*" << " \*\*\* " << total\_score << " \*\*\*\*\*" << endl;

cout << "\*\*\*\*\* 5 " << Name[2] << " \*\*\*" << " \*\*\* " << total\_score << " \*\*\*\*\*" << endl;

cout << endl;

cout << "Do you want to start a QUIZ again? (Yes/No)" << endl;

string play\_again;

cin >> play\_again;

if (play\_again == "Yes" || play\_again == "yes")

{

total\_score = 0;

main();

}

else

cout << "OK, Goodbye! ";

}

**Output:::**