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\* File: testmain.cpp

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include iostream

include cstdlib

include string

include cstring

include "MyFunctions.h" //header file that holds functions normal game mode

include "Mother1.h" //mother class holds functions that will be inherited by daughter1

include "Daughter1.h" //derived class that will inherit from mother1

using namespace std;

Mother1::Mother1()

//inputException 1-5 has exception handling UserCHinput

Mother1::inputException1() //challenger question 1 from mother1 class

clsCH (5); // pseudo clear screen challenger mode

userCHinput; //user challenger input

"\n CHALLENGE 1 \n";

"What is the capital of New Mexico ?\n";

"A. Miami C. New York City\n"; //choose answer A,B,C,D

"B. Santa Fe D. Jackson\n";

" \n";

userCHinput;

(toupper(userCHinput) != 'A' &&(userCHinput) != 'B' &&(userCHinput) != 'C'

&&(userCHinput) != 'D' &&(userCHinput) != 'E')

throw 99;

catch ( x)

"INVALID ENTRY , Enter only A, B, C, D." ;

inputException1(); //exception handling calls challenger question 1

(toupper(userCHinput) == 'B') // B is chosen Answer is correct

clsCH (30); //pseudo clear screen challenger mode

"YOU ARE CORRECT!\n"; //msg that displays you are correct

moneyPointCH(300000); //money po challenger mode

inputException2(); //calls challenger question 2

// answer is wrong player is not given a ARE YOU SURE function

//game will end and go back to normal game menu

"WRONG ANSWER! GAME OVER. THANKS PLAYING!\n";

"RETURNING TO NORMAL GAME MENU\n";

Mother1::inputException2() //exception handling challenger question 2

clsCH (5);

userCHinput; //user challenger input

"\n CHALLENGE 2 \n";

"How many Spartans were at the battle of Thermopylae ?\n";

"A. 300 C. 200\n"; //choose answer A,B,C,D

"B. 500 D. 700\n";

" \n";

userCHinput;

(toupper(userCHinput) != 'A' &&(userCHinput) != 'B' &&(userCHinput) != 'C'

&&(userCHinput) != 'D')

throw 99;

catch ( x)

"INVALID EN ::Enter only A, B, C, D." ;

inputException2();

(toupper(userCHinput) == 'A')

clsCH (30);

"YOU ARE CORRECT!\n";

moneyPointCH(400000);

inputException3();

"WRONG ANSWER! GAME OVER. THANKS PLAYING!\n";

"RETURNING TO NORMAL GAME MENU\n";

Mother1::inputException3() //exception handling challenger question 3

userCHinput; //user challenger input

"\n CHALLENGE 3 \n";

"How many amendments are there in the US Constitution ?\n";

"A. 33 C. 27\n"; //choose answer A,B,C,D

"B. 11 D. 28\n";

" \n";

userCHinput;

(toupper(userCHinput) != 'A' &&(userCHinput) != 'B' &&(userCHinput) != 'C'

&&(userCHinput) != 'D')

throw 99;

catch ( x)

"INVALID EN ::Enter only A, B, C, D." ;

inputException3();

(toupper(userCHinput) == 'C')

clsCH (30);

"YOU ARE CORRECT!\n";

moneyPointCH(500000);

inputException4();

"WRONG ANSWER! GAME OVER. THANKS PLAYING!\n";

"RETURNING TO NORMAL GAME MENU\n";

Mother1::inputException4() //exception handling challenger question 4

userCHinput; //user challenger input

"\n CHALLENGE 4 \n";

"What galaxy is the planet Earth residing in ?\n";

"A. Milky Way C. Cartwheel\n"; //choose answer A,B,C,D

"B. Andromeda D. Pinwheel\n";

" \n";

userCHinput;

(toupper(userCHinput) != 'A' &&(userCHinput) != 'B' &&(userCHinput) != 'C'

&&(userCHinput) != 'D')

throw 99;

catch ( x)

"INVALID EN ::Enter only A, B, C, D." ;

inputException4();

(toupper(userCHinput) == 'A')

clsCH (30);

"YOU ARE CORRECT!\n";

moneyPointCH(600000);

inputException5();

"WRONG ANSWER! GAME OVER. THANKS PLAYING!\n";

"RETURNING TO NORMAL GAME MENU\n";

Mother1::inputException5() //exception handling challenger question 5

userCHinput; //user challenger input

"\n CHALLENGE 5 \n";

"When was instant coffe invented ?\n";

"A. 2003 C. 1458\n"; //choose answer A,B,C,D

"B. 1901 D. 1878\n";

" \n";

userCHinput;

(toupper(userCHinput) != 'A' &&(userCHinput) != 'B' &&(userCHinput) != 'C'

&&(userCHinput) != 'D')

throw 99;

catch ( x)

"INVALID EN ::Enter only A, B, C, D." ;

inputException5();

(toupper(userCHinput) == 'B')

clsCH (30);

"YOU ARE CORRECT!\n";

moneyPointCH(1500000);

" YOU HAVE NOT DONE SO, PLEASE CONTINUE TO NORMAL GAME MODE!\n";

"WRONG ANSWER! GAME OVER. THANKS PLAYING!\n";

"RETURNING TO NORMAL GAME MENU\n";

Mother1::clsCH ( n) //psuedo clear screen function challenger modeB

( i = 1;i n;i++) //n holds the variable to determine how many spaces are used

; // ;

Mother1::moneyPointCH( value) //moneyPo function used every question answer wrong/correct

money = value; // money holds the given value the 15 questions

"\nYOU HAVE EARNED: $" money ; //output money earned