#include<stdio.h>

#include<stdlib.h>

#include<conio.h>

struct play

{

char name[20];

int score;

int rat; //star ratings

} p;

void high\_score ();

void start ();

void help ();

void

main ()

{

int chc = 0;

printf ("//////////WELCOME TO THE WORLD OF GAMING//////////////////\n");

printf

("Press 1 to start the game\n2 to see high scores \n3 to see game help\n0 to exit : ");

scanf ("\n%d", &chc);

switch (chc)

{

case 1:

start ();

break;

case 2:

high\_score ();

break;

case 3:

help ();

break;

default:

exit (1);

}

getch ();

}

void

help ()

{

int ch;

printf

("\n\n \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* GAME HELP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

printf

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

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

printf ("\n >> There will be a total of 20 questions");

printf

("\n >> You will be given 4 options and you have to press 1, 2 ,3 or 4 for the");

printf ("\n right option");

printf ("\n >> Each question will carry 5 points");

printf ("\n >> You will be asked questions continuously.");

printf ("\n >> There is no negative marking for wrong answer");

printf

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

printf ("\nContinue playing ? (1/0) : ");

scanf ("%d", &ch);

if (ch == 1)

{

start ();

}

else

{

exit (1);

}

}

void

start ()

{

int ans;

int count = 0;

char rating[20];

FILE \*fp;

if ((fp = fopen ("\\tmp\\play2.txt", "a")) == NULL)

{

printf ("error opening file\n");

}

printf ("\nPlease enter your name: ");

scanf ("%s", p.name);

printf

("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Welcome \" %s \" to C Quiz Game \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \n\n",

p.name);

printf

("Q(1).Grand Central Terminal, Park Avenue, New York is the world's \n 1.largest railway station \t\t2.highest railway station\n 3.longest railway station\t\t 4.None of the above\n\n");

printf ("Your answer: ");

scanf ("%d", &ans);

if (ans == 1)

{

printf ("Correct! +5 points\n\n");

++count;

}

else

{

printf

("Wrong answer! Correct answer is 1.largest railway station\n\n");

}

printf

("Q(2) Entomology is the science that studies \n 1.Behavior of human beings\t\t2.Insects \n3.The origin and history of technical and scientific terms\n4.The formation of rocks\n\n");

printf ("Your answer: ");

scanf ("%d", &ans);

if (ans == 2)

{

printf ("Correct! +5 points\n\n");

++count;

}

else

{

printf ("Wrong answer! Correct answer is 2.Insects\n\n");

}

printf

("Q(3) Eritrea, which became the 182nd member of the UN in 1993, is in the continent of \n1.Asia\t\t2.Africa\n3.Europe\t4.Australia\n\n");

printf ("Your answer: ");

scanf ("%d", &ans);

if (ans == 2)

{

printf ("Correct! +5 points\n\n");

++count;

}

else

{

printf ("Wrong answer! Correct answer is 2.Africa\n\n");

}

printf

("Q(4).Garampani sanctuary is located at \n1.Junagarh, Gujarat\t2.Diphu, Assam\n3.Kohima, Nagaland\t4.Gangtok, Sikkim\n\n");

printf ("Your answer: ");

scanf ("%d", &ans);

if (ans == 2)

{

printf ("Correct! +5 points\n\n");

++count;

}

else

{

printf ("Wrong answer! Correct answer is 2.Diphu, Assam\n\n");

}

printf

("Q(5).For which of the following disciplines is Nobel Prize awarded? \n1.Physics and Chemistry\t2.Physiology or Medicine\n3.Literature, Peace and Economics\t4.All of the above\n\n");

printf ("Your answer: ");

scanf ("%d", &ans);

if (ans == 4)

{

printf ("Correct! +5 points\n\n");

++count;

}

else

{

printf ("Wrong answer! Correct answer is 4.All of the above\n\n");

}

printf

("Q(6).Hitler party which came into power in 1933 is known as \n1.Labour Party\t2.Nazi Party\n3.Ku-Klux-Klan\t4.Democratic Party\n\n");

printf ("Your answer: ");

scanf ("%d", &ans);

if (ans == 2)

{

printf ("Correct! +5 points\n\n");

++count;

}

else

{

printf ("Wrong answer! Correct answer is 2.Nazi Party\n\n");

}

printf

("Q(7). FFC stands for \n1.Foreign Finance Corporation\t2.Film Finance Corporation\n3.Federation of Football Council\t4.None of the above\n\n");

printf ("Your answer: ");

scanf ("%d", &ans);

if (ans == 2)

{

printf ("Correct! +5 points\n\n");

++count;

}

else

{

printf

("Wrong answer! Correct answer is 2.Film Finance Corporation\n\n");

}

printf

("Q(8). Fastest shorthand writer was \n1.Dr. G. D. Bist\t2. J.R.D. Tata\n3. J.M. Tagore\t4. Khudada Khan\n\n");

printf ("Your answer: ");

scanf ("%d", &ans);

if (ans == 1)

{

printf ("Correct! +5 points\n\n");

++count;

}

else

{

printf ("Wrong answer! Correct answer is 1.Dr. G. D. Bist\n\n");

}

printf

("Q(9). Epsom (England) is the place associated with \n1.Horse racing\t2.Polo\n3.Shooting\t4.Snooker\n\n");

printf ("Your answer: ");

scanf ("%d", &ans);

if (ans == 1)

{

printf ("Correct! +5 points\n\n");

++count;

}

else

{

printf ("Wrong answer! Correct answer is 1.Horse racing\n\n");

}

printf

("Q(10). First human heart transplant operation conducted by Dr. Christian Bernard on Louis Washkansky, was conducted in \n1.1967\t2.1968\n3.1958\t4.1922\n\n");

printf ("Your answer: ");

scanf ("%d", &ans);

if (ans == 1)

{

printf ("Correct! +5 points\n\n");

++count;

}

else

{

printf ("Wrong answer! Correct answer is 1. 1967\n\n");

}

printf

("Q(11). Frames from one LAN can be transmitted to another LAN via the device \n1. Router\t2. Bridge\n3. Repeater\t4. Modem\n\n");

printf ("Your answer: ");

scanf ("%d", &ans);

if (ans == 2)

{

printf ("Correct! +5 points\n\n");

++count;

}

else

{

printf ("Wrong answer! Correct answer is 2. Bridge\n\n");

}

printf

("Q(12). Which of the following condition is used to transmit two packets over a medium at the same time?\n1. Contention\t2. Collision\n3. Synchronous\tD. Asynchronous\n\n");

printf ("Your answer: ");

scanf ("%d", &ans);

if (ans == 2)

{

printf ("Correct! +5 points\n\n");

++count;

}

else

{

printf ("Wrong answer! Correct answer is 2. Collision\n\n");

}

printf

("Q(13). What are the most commonly used transmission speeds in BPS used in data communication?\n1. 300\t2. 1200\n3. 2400\t4. 9600\n");

printf ("Your answer: ");

scanf ("%d", &ans);

if (ans == 4)

{

printf ("Correct! +5 points\n\n");

++count;

}

else

{

printf ("Wrong answer! Correct answer is 4. 9600\n\n");

}

printf

("Q(14). Which of the following is used for modulation and demodulation?\n1. modem\t2. protocols\n3. gateway\t4. multiplexer\n");

printf ("Your answer: ");

scanf ("%d", &ans);

if (ans == 1)

{

printf ("Correct! +5 points\n\n");

++count;

}

else

{

printf ("Wrong answer! Correct answer is 1.modem\n\n");

}

printf

("Q(15). Contention is \n1. One or more conductors that serve as a common connection for a related group of devices\n2. a continuous frequency capable of being modulated or impressed with a second signal\n3. the condition when two or more stations attempt to use the same channel at the same time\n4. a collection of interconnected functional units that provides a data communications service among stations attached to the network\n");

printf ("Your answer: ");

scanf ("%d", &ans);

if (ans == 3)

{

printf ("Correct! +5 points\n\n");

++count;

}

else

{

printf

("Wrong answer! Correct answer is 3. the condition when two or more stations attempt to use the same channel at the same time\n\n");

}

printf

("Q(16). When you ping the loopback address, a packet is sent where?\n1. On the network\n2. Down through the layers of the IP architecture and then up the layers again\n3. Across the wire\n4. through the loopback dongle\n");

printf ("Your answer: ");

scanf ("%d", &ans);

if (ans == 2)

{

printf ("Correct! +5 points\n\n");

++count;

}

else

{

printf

("Wrong answer! Correct answer is 2. Down through the layers of the IP architecture and then up the layers again\n\n");

}

printf

("Q(17). Which of the following TCP/IP protocol is used for transferring electronic mail messages from one machine to another?\n1. FTP\t2. SNMP\n3. SMTP\t4. RPC\n");

printf ("Your answer: ");

scanf ("%d", &ans);

if (ans == 3)

{

printf ("Correct! +5 points\n\n");

++count;

}

else

{

printf ("Wrong answer! Correct answer is 3. SMTP\n\n");

}

printf

("Q(18). Which of the following device is used to connect two systems, especially if the systems use different protocols?\n1. hub\t2. bridge\n3. gateway\t4. repeater\n");

printf ("Your answer: ");

scanf ("%d", &ans);

if (ans == 3)

{

printf ("Correct! +5 points\n\n");

++count;

}

else

{

printf ("Wrong answer! Correct answer is 3. gateway\n\n");

}

printf

("Q(19). The slowest transmission speeds are those of\n1. twisted-pair wire\t2. coaxial cable\n3. fiber-optic cable\t4. microwaves\n");

printf ("Your answer: ");

scanf ("%d", &ans);

if (ans == 1)

{

printf ("Correct! +5 points\n\n");

++count;

}

else

{

printf ("Wrong answer! Correct answer is 1. twisted-pair wire\n\n");

}

printf

("Q(20). What is the port number for NNTP?\n1. 119\t2. 80\n3. 79\t4. 70\n");

printf ("Your answer: ");

scanf ("%d", &ans);

if (ans == 1)

{

printf ("Correct! +5 points\n\n");

++count;

}

else

{

printf ("Wrong answer! Correct answer is 1. 119 \n\n");

}

//counting number of correct answers and, ratings

if (count > 0)

{

printf ("Thanks for playing, Your scored: %d points \t", count \* 5);

p.score = count \* 5;

if (p.score >= 80)

{

printf ("Rating: \* \* \* \* \*");

p.rat = 5;

}

else if (p.score >= 60 && p.score < 80)

{

printf ("Rating: \* \* \* \*");

p.rat = 4;

}

else if (p.score >= 40 && p.score < 60)

{

printf ("Rating: \* \* \*");

p.rat = 3;

}

else if (p.score >= 20 && p.score < 40)

{

printf ("Rating: \* \*");

p.rat = 2;

}

else if (p.score < 20)

{

printf ("Rating: \*");

p.rat = 1;

}

//writing to file

fprintf (fp, "%s %d %d", p.name, p.score, p.rat);

fclose (fp);

}

else

{

printf ("Try again!");

}

}

void

high\_score ()

{

int ch;

FILE \*fp;

if ((fp = fopen ("\\tmp\\play2.txt", "r")) == NULL)

{

//printf("error opening file\n");

printf ("\nNo games played yet!\n");

}

else

{

printf

("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* HIGH SCORES \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n\n");

printf ("NAME POINTS RATING\n");

while (fscanf (fp, "%s %d %d", p.name, &p.score, &p.rat) != EOF)

{

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

printf ("%s %d %d star(s)\n\n", p.name, p.score, p.rat);

}

fclose (fp);

}

printf ("\nContinue playing ? (1 - Yes and 0 - No) : ");

scanf ("%d", &ch);

if (ch == 1)

{

start ();

}

else

{

exit (1);

}

}