Raw code :

#include <stdio.h>

#include <string.h>

#include <stdlib.h>

#include <time.h>

#include <math.h>

void printMenu()

{

puts("SPECIAL PREMIUM LOTTERY");

puts("=======================\n");

puts("No | Prize |");

puts("----------------------------------------------");

puts(" 1 | 1 Million US Dollar Cash |");

puts(" 2 | NEW RANGE ROVER SVAutobiography DYNAMIC |");

puts(" 3 | Panasonic Smart TV DX400 |");

puts(" 4 | Polygon Helios F3 Red |");

puts(" 5 | iPhone X 256GB |");

puts("");

puts("Menu");

puts("----");

puts("1. Buy a lottery");

puts("2. View buyer");

puts("3. Choose the winner");

puts("");

printf("Choose your option : ");

}

struct lottery

{

char lotteryOwner[50];

long long int lotteryNumber;

};

int main()

{

struct lottery ltr[25];

int abc = 0;

int option;

int jumlah = 0;

int len = 0;

int x = 0;

int y = 0;

char prize[5][50] =

{ {"1 Million US Dollar Cash"},

{"NEW RANGE ROVER SVAutobiography DYNAMIC"},

{"Panasonic Smart TV DX400"},

{"Polygon Helios F3 Red"},

{"iPhone X 256GB"} };

int userPrize;

char cycle;

int doorprizeNumber[10];

int z = 0;

do {

printMenu();

scanf("%d",&option); getchar();

if(option == 1)

{

if(jumlah >= 20)

{

printf("Maximum 20 lottery number has been reached!!!\n");

getchar();

system("cls");

}

else

{

jumlah++;

x = 0;

do{

srand(time(0));

ltr[jumlah].lotteryNumber = rand()%((9999999999-1000000000)+1)+1000000000;

for(int i=1; i<jumlah; i++)

{

if(ltr[jumlah].lotteryNumber == ltr[i].lotteryNumber)

{

x = 1;

break;

}

else

{

x = 0;

}

}

}while(x == 1);

printf("\nYour lottery number is : %lld\n\n",ltr[jumlah].lotteryNumber);

do {

printf("Please fill up your name [3..25] : ");

scanf("%[^\n]",ltr[jumlah].lotteryOwner); getchar();

len = strlen(ltr[jumlah].lotteryOwner);

} while(len < 3 || len > 25);

printf("Thank you for buying a lottery ticket, we wish for your fortune...");

getchar();

system("cls");

}

}

else if(option == 2)

{

if(jumlah == 0)

{

printf("\nThere's no buyer at this moment...");

getchar();

system("cls");

}

else

{

printf("\n| No | Lottery Number | Name\n");

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

for (int i = 1; i <= jumlah; i++)

{

printf("| %.2d | %lld | %s\n",i,ltr[i].lotteryNumber,ltr[i].lotteryOwner);

}

printf("\nPress ENTER to continue...");

getchar();

system("cls");

}

}

else if(option == 3)

{

if(jumlah < 5)

{

printf("\nThere's not enough buyer to pick the winner");

getchar();

system("cls");

}

else

{

printf("\n| No | Prize | Winner\n");

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

for(int i=0; i<5; i++){

y = 0;

do{

userPrize = rand()%jumlah + 1;

doorprizeNumber[z] = userPrize;

for(int j=0; j<z; j++)

{

if(userPrize == doorprizeNumber[j])

{

y = 1;

break;

}

else

{

y = 0;

}

}

}while(y == 1);

printf("| %d. | %-40s | %lld - %s\n", i+1, prize[i], ltr[userPrize].lotteryNumber, ltr[userPrize].lotteryOwner);

++z;

}

printf("\nCongratulations for all winners!!!\n");

puts("");

do{

printf("New Cycle [y|n] : ");

scanf("%c", &cycle);

getchar();

}while(cycle != 'y' && cycle != 'Y' && cycle != 'n' && cycle != 'N');

if(cycle == 'n' || cycle == 'N'){

system("cls");

printf("Thankyou For Playing...\n");

printf("Have a nice day ^.^ ");

getchar();

break;

}else{

for(int i=1; i<=jumlah; i++){

ltr[i].lotteryNumber = 0;

strcpy(ltr[i].lotteryOwner, " ");

doorprizeNumber[i-1] = 0;

}

jumlah = 0;

z = 0 ;

system("cls");

}

}

}

} while(x != -1);

return 0;

}