**// HEADER FILES USED //**

**#include<iostream.h>**

**#include<stdlib.h>**

**#include<stdio.h>**

**#include<string.h>**

**#include<fstream.h>**

**#include<conio.h>**

**#include<ctype.h>**

**// FUNCTION DECLARATION OF FUNCTION WHICH CHECKS IF THE GUSSED LETTER IS CORRECT OR NOT**

**int check(char, char[], char[]);**

**// FUNCTION TO DISPLAY GAME TITLE**

**{cout <<"\n~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~";**

**cout<<"\n\t\*\* \*\* \*\*\* \*\* \* \*\*\*\*\*\* \* \*\* \*\*\* \*\* \* \* \* \*\*\*\*\* ";**

**cout<<"\n\t\*\* \*\* \* \*\* \*\*\* \* \*\* \*\* \*\*\* \* \*\* \*\*\* \* \* \* \* ";**

**cout<<"\n\t\*\*\*\*\*\* \*\*\*\*\* \*\* \* \* \*\* \*\* \* \* \* \*\* \*\*\*\*\* \*\* \* \* \*\*\*\*\* \*\*\*\*\* ";**

**cout<<"\n\t\*\* \*\* \* \*\* \*\* \*\* \*\* \* \* \* \*\* \* \*\* \*\* \*\* \* \*\* \* ";**

**cout<<"\n\t\*\* \*\* \* \*\* \*\* \* \*\*\*\*\*\* \* \*\* \* \*\* \*\* \* \* \*\* \*\*\*\*\* ";**

**cout << "\n~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~";**

**}**

**//FUNCTION TO HOLD THE SCREEN FOR SOME TIME**

**void stop()**

**{ for(long stop=0;stop<30000000;stop++)**

**{}**

**}**

**// MAIN FUNCTION**

**int main()**

**{ int k,cc;**

**int mx\_tries =5;**

**char name[25],again,ch,beg,dif,choice;**

**ifstream fin;**

**open:**

**clrscr();**

**display();**

**cout<<"\n\n\t1.)NEW GAME ";**

**cout<<"\n\n\t2.)HELP ";**

**cout<<"\n\n\tENTER YOUR OPTION :";**

**beg=getch();**

**if(beg=='2')**

**{ clrscr();**

**display();**

**cout << "\n\n\tWELCOME TO HANGMAN (bETA version)";**

**cout << "\n\n\tEACH HIDDEN LETTER IS REPRESENTED BY A STAR";**

**cout << "\n\n\tYOU HAVE TO TRY ONLY ONE LETTER IN ONE CHANCE";**

**cout << "\n\n\tYOU HAVE " <<mx\_tries<< " CHANCES TO TRY AND GUESS THE WORD";**

**cout << "\n\n\tREADY NOW???";**

**cout << "\n\n\tPRESS ENTER";**

**cin.get(ch);**

**goto difficulty;**

**}**

**if(beg=='1')**

**{ difficulty:**

**start:**

**clrscr(); //TO CLEAR SCREEN**

**display();**

**cout<<"\n\n\t: DIFFICULTY :";**

**cout<<"\n\t1.)EASY";**

**cout<<"\n\t2.)MEDIUM";**

**cout<<"\n\t3.)HARD";**

**cout<<"\n\n\tENTER YOUR OPTION :";**

**dif=getch();**

**if(dif!='1'&&dif!='2'&&dif!='3')**

**{ cout<<"\n\n\tERROR 500x"<<endl;**

**stop();**

**goto start;**

**}**

**}**

**if(beg!='1'&&beg!='2')**

**{**

**cout<<"\n\n\tERROR 500x"<<endl;**

**stop();**

**goto open;}**

**categories:**

**clrscr();**

**display();**

**cout<<"\n\n\t:CATEGORIES:";**

**cout<<"\n\n\t1.)CAR BRANDS";**

**cout<<"\n\t2.)GAMES";**

**cout<<"\n\t3.)BIKE BRANDS";**

**cout<<"\n\n\tENTER YOUR OPTION :";**

**choice=getch();**

**switch(choice) // TO OPEN THE FILE PRESENT, DEPENDING ON DIFFICULTY AND CATEGORY CHOSEN**

**{**

**case '1': if(dif=='1')**

**{fin.open("car1.txt");};**

**if(dif=='2')**

**{fin.open("car2.txt");};**

**if(dif=='3')**

**{fin.open("car3.txt");};**

**break;**

**case '2':if(dif=='1')**

**{fin.open("game1.txt");};**

**if(dif=='2')**

**{fin.open("game2.txt");};**

**if(dif=='3')**

**{fin.open("game3.txt");};**

**break;**

**case '3':if(dif=='1')**

**{fin.open("bike1.txt");};**

**if(dif=='2')**

**{fin.open("bike2.txt");};**

**if(dif=='3')**

**{fin.open("bike3.txt");};**

**break;**

**default:cout<<"\n\n\tERROR 5000x";**

**stop();**

**goto categories;**

**}**

**clrscr();**

**char letter;**

**int num\_guess=0;**

**randomize();**

**k=random(5)+1;**

**for(int i=0;i<k;i++) // TO RANDOMLY CHOOSE A WORD FROM THE FILE**

**{**

**fin>>name;**

**}**

**char word[25];**

**strcpy(word,name);**

**int x;**

**x=strlen(word);**

**char unknown[15];**

**int j;**

**for(j=0;j<x;j++)**

**{ unknown[j]='\*';**

**}**

**unknown[j]='\n';**

**while(num\_guess<mx\_tries)**

**{ if(choice=='1')**

**{**

**display();**

**cout<<"\n\tCATEGORY : CAR BRANDS :";**

**cout<<"\t\t\tYOU HAVE "<<mx\_tries-num\_guess<<" GUESS LEFT"<<endl;**

**}**

**if(choice=='2')**

**{**

**display();**

**cout<<"\n\tCATEGORY : GAMES :";**

**cout<<"\t\t\tYOU HAVE "<<mx\_tries-num\_guess<<" GUESS LEFT"<<endl;**

**}**

**if(choice=='3')**

**{**

**display();**

**cout<<"\n\tCATEGORY : BIKE BRANDS :";**

**cout<<"\t\t\tYOU HAVE "<<mx\_tries-num\_guess<<" GUESS LEFT"<<endl;**

**}**

**cout<<"\n\tHIDDEN WORD:";**

**cout.write(unknown,x);**

**cout<<"\t\t\tWORD LENGTH :"<<x;**

**cout<<"\n\n\tGUESS A LETTER: ";**

**letter=getch();**

**if(check(letter,word,unknown)==0)**

**{ cout<<"\n\n\tTRY AGAIN ";**

**num\_guess++; }**

**else**

**{ cout<<"\n\n\tCORRECT "; }**

**stop();**

**clrscr();**

**for(int k=0;k<x;k++)**

**{if(word[k]==unknown[k])**

**{cc=1;}**

**else**

**{ cc=0;**

**break; }**

**}**

**if(cc==1)**

**{ cout<<"\n\tCONGRATULATIONS"<<"\n\tYOU DID IT";**

**cout<<"\n\n\tCORRECT WORD:"<<word;**

**cout<<"\n\n\tWANNA TRY AGAIN ???";**

**cout<<"\n\n\t1.)YES";**

**cout<<"\n\t2.)NO";**

**cout<<"\n\n\tENTER YOUR OPTION :";**

**again=getch();**

**if(again=='1')**

**{ fin.close();**

**goto start; }**

**if(again=='2')**

**{cout<<"\n\n\tTHANK YOU FOR PLAYING :)";}**

**else**

**{ cout<<"\n\n\tLOOSER "; }**

**break; }**

**}**

**if(num\_guess==mx\_tries)**

**{ cout<<"\n\tYOU HAVE BEEN HANGED\n";**

**cout<<"\n\t \*\*\*\*\*\*\*\*\* ";**

**cout<<"\n\t \* \* ";**

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**cout<<"\n\t \* ";**

**cout<<"\n\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* ";**

**if(choice=='1')**

**{cout<<"\n\n\tTHE CAR BRAND WAS :"<<word;}**

**if(choice=='2')**

**{cout<<"\n\n\tTHE GAME WAS :"<<word;}**

**if(choice=='3')**

**{cout<<"\n\n\tTHE BIKE BRAND WAS :"<<word;}**

**cout<<"\n\n\tWANNA TRY AGAIN ???";**

**cout<<"\n\n\t1.)YES";**

**cout<<"\n\t2.)NO";**

**cout<<"\n\n\tENTER YOUR OPTION :";**

**again=getch();**

**if(again=='1')**

**{ fin.close();**

**goto start;**

**}**

**if(again=='2')**

**{cout<<"\n\n\tTHANK YOU FOR PLAYING :)";}**

**else**

**{ cout<<"\n\n\tLOOSER "; }**

**}**

**return 0;**

**}**

**//FUNCTION TO CHECK IF THE GUESSED LETTER IS CORRECT OR NOT**

**int check(char guess,char secretword[],char guessword[])**

**{**

**int i;**

**int match=0;**

**int len=strlen(secretword);**

**for(i=0;i<len;i++)**

**{**

**if(guess==guessword[i]) // IF THE GUESS LETTER IS ALREADY TYPED**

**{**

**return 0;**

**}**

**if(guess==tolower(guessword[i]))**

**{**

**return 0;**

**}**

**if(guess==secretword[i])**

**{**

**guessword[i]=guess;**

**match=1;**

**}**

**if(guess==tolower(secretword[i]))**

**{**

**guessword[i]=toupper(guess);**

**match=1;**

**}**

**}**

**return match;**

**}**