

Project Report

SE 201 – Data Structures



DELHI TECHNOLOGICAL UNIVERSITY

PROJECT TITLE: QUIZ GAME

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❖ INTRODUCTION

We all play some game or the other in our everyday lives. Games have become a part of our life and many people use it as an escape from the real world. It acts as a stress buster and a mode of entertainment. If we're going to play games anyhow, why not play one that actually benefits us while being fun?

This Quiz Game project aims to provide its users with a chance to enhance their general knowledge and mental skills in a fun and exciting way. It is a menu driven game which provides its users the option to play/quit and an option to login as admin to alter questions asked in the game. It consists of 3 levels. Player starts from level 1 and progresses on scoring points accordingly. There is a 'Bonus Level' which follows a MCQ format made for the sole purpose of improving player's score. Overall, it is a great way to practice and polish our concepts of Data Structures.

❖ OBJECTIVES

The main objective of this project is to provide its users with a fun and interactive way to enhance their mental skills and general knowledge. Moreover, it is an exciting way to learn and practice the concepts of Data Structures. It keeps you hooked.

This program uses the very concepts of Data Structures in its functioning to provide the best out of it. We have used the DS concepts like Classes and Objects and structures. The aim of this project is to utilise these concepts of Data Structures taught to use to produce an interactive and fun game which provides its users a chance to enhance their general knowledge and mental skills with the easiness of comfort of a game.

❖ MODULES

All the coding till now has been done in C++ language using DevC++ and TurboC7.

The program has following modules:

- The main class "game" that controls the entire gameplay process.
- All the three functions for level 1, 2, 3 of the game including the score keeping structure.
- A special function for the 'Bonus Level' of the game which takes input from a text file.
- Main() body of the program.

❖ FEATURES OF THE GAME

1. Simple and easy to play.
2. Easy to modify.
3. A separate score keeping structure for all levels.
4. Three separate levels to challenge your brain.
5. One bonus level for additional challenges and score improvement.

❖ HEADER FILES USED

Filename	Description
IOSTREAM.H	C++ Standard Library that implements stream-based input/output capabilities.
FSTREAM.H	Provides functions for file handling.
CONIO.H	Helps in basic console I/O functions.
PROCESS.H	Contains function declarations and macros used in working with threads and processes.
WINDOWS.H	Contains declarations for all of the functions in the Windows API.
STRING.H	Contains functions with string handling capabilities.
STDIO.H	Provides function with standard I/O capabilities.
STDLIB.H	Includes functions involving memory allocation, process control, conversions and others.

❖ CODE

```
#include<iostream>
#include<fstream>
#include<conio.h>
#include<process.h>
#include<windows.h>
#include<string.h>
#include<stdio.h>
#include<stdlib.h>
using namespace std;

int point=0,point1=0,point2=0,point3=0,point4=0;

class game{ char ec[], mc[], hc[], ans[];
    void easy();
    void med();
```

```
void hard();
void bonus();
public:
void play();
}g;

void game::bonus()
{ system("cls");
cout<<"\n\t\t\t\t\t ****BONUS LEVEL****\n\n\n";
Sleep(1000);
cout<<"\n\t\t\t\t\t *****";
cout<<"\n\t\t\t\t\t | INSTRUCTIONS |";
cout<<"\n\t\t\t\t\t *****";
Sleep(800);
cout<<"\n\n\n\n";

cout<<"\n#####\n";
cout<<"\n\t\t\t\t IT WILL BE A MULTIPLE CHOICE QUESTION\n";
Sleep(2000);
cout<<"\n\t\t\t\t\t TYPE QUIZ\n";
Sleep(1000);
cout<<"\n\t\t\t\t YOU WILL BE PROVIDED SERIES OF QUESTIONS\n";
Sleep(2000);
cout<<"\n\t\t\t\t\t WITH 4 OPTIONS EACH\n";
Sleep(2000);
cout<<"\n\t\t\t\t FROM THE 4 OPTIONS ONLY ONE OPTION IS CORRECT\n";
Sleep(2500);

cout<<"\n\n#####\n";
Sleep(1000);
cout<<"\n\t\t\t 5 POINTS WILL BE AWARDED FOR EACH RIGHT ANSWER!!!\n"
<<"\n\t\t\t DIFFICUTLY LEVEL WILL INCREASE WITH EACH\n"
<<"\n\t\t\t\t SUBSEQUENT QUESTION !!\n"

<<"\n\n#####\n";
Sleep(5000);
cout<<"\nPRESS ANY KEY TO CONTINUE";
getch();
system("cls");
ifstream inFile("ques.txt");
char qs[256],opt1[32],opt2[32],opt3[32],opt4[32],answer;
int qnum=1;
while(!(inFile.eof()))
```

```
{ inFile.getline(qs,256,'\n');
  inFile.getline(opt1,32,'\n');
  inFile.getline(opt2,32,'\n');
  inFile.getline(opt3,32,'\n');
  inFile.getline(opt4,32,'\n');
  inFile.get(answer);
  inFile.ignore(qnum);
  char userans;
  system("cls");
```

```
cout<<"\n#####\n";
```

```
cout<<"\nQues No. "<<qnum<<"\n\n";
```

```
Sleep(1000);
```

```
puts(qs);
```

```
Sleep(3000);
```

```
cout<<"\n";
```

```
cout<<" A. ";
```

```
puts(opt1);
```

```
Sleep(1000);
```

```
cout<<" B. ";
```

```
puts(opt2);
```

```
Sleep(1000);
```

```
cout<<" C. ";
```

```
puts(opt3);
```

```
Sleep(1000);
```

```
cout<<" D. ";
```

```
puts(opt4);
```

```
Sleep(1000);
```

```
cout<<"\n#####\n";
```

```
cout<<"\nEnter Your Answer : ";
```

```
cin>>userans;
```

```
if(userans==answer)
```

```
{ cout<<"\nYOU ARE RIGHT YOU GET 5 POINTS !!\n";
```

```
  point4+=5;
```

```
  Sleep(2000);
```

```
  cout<<"\nPRESS ANY KEY TO CONTINUE";
```

```
}
```

```
else
```

```
{ cout<<"\nWRONG ANSWER !! BETTER LUCK NEXT TIME !!\n";
```

```
  Sleep(2000);
```

```
  cout<<"PRESS ANY KEY TO CONTINUE";
```

```
}
```

```

qnum++;
}
inFile.close();
system("cls");
point=point1+point2+point3+point4;
cout<<"\n\n\n\n\n\n\n";
cout<<"\n\n\t\t\t -----";
cout<<"\n\n\t\t\t YOUR TOTAL SCORE : "<<point;
cout<<"\n\n\t\t\t -----";
cout<<"\n\n\n";
Sleep(2000);
if(point==100)
{ cout<<"\t\tNo Cheating... You Have Done This Earlier Also !!"; }
else if(point==90)
{ cout<<"\t\tYou Are Extremely Intelligent !!"; }
else if(point==80)
{ cout<<"\t\t\t You Are Intelligent !!"; }
else if((point==70)|| (point==60)|| (point==50))
{ cout<<"\t\t\t You Are Average... Better Luck Next Time !!"; }
else if(point<=40)
{ cout<<"\t\t\t You Need to Practice More !!"; }

Sleep(2000);
cout<<"\n\n\n\n\n\n\n\nPRESS ENTER TO CONTINUE";
getch();
}

void game::play()
{ easy();
if(point1>=10)
{ med();
if(point2>=20)
{ hard();
if(point3>=30)
{ system("cls");

cout<<"\n\n\n\n\n\n\n#####
#####\n";
cout<<"\n\n\n\n\t\t\tLEVEL 3 CLEARED!!!\n";

cout<<"\n\n\n\n\n\n\n#####
#####\n";
Sleep(3000);
cout<<"PRESS ENTER TO CONTINUE";
getch();
system("cls");
point=point1+point2+point3+point4;

```

```
cout<<"\n\n\n\n\n\n";
cout<<"\n\n\t\t\t -----";
cout<<"\n\n\t\t\t YOUR TOTAL SCORE : "<<point;
cout<<"\n\n\t\t\t -----";
cout<<"\n\n\n";
Sleep(2000);
if(point==100)
{ cout<<"\t\tNo Cheating... You Have Done This Earlier Also !!"; }
else if(point==90)
{ cout<<"\t\tYou Are Extremely Intelligent !!"; }
else if(point==80)
    cout<<"\t\t\t You Are Intelligent !!";
    else if((point==70)|| (point==60)|| (point==50))
        { cout<<"\t\t\t You Are Average... Better Luck Next Time !!"; }
        else if(point<=40)
            { cout<<"\t\t\t You Need to Practice More !!"; }

Sleep(2000);
cout<<"\n\n\n\n\n\n\nPRESS ENTER TO CONTINUE";
getch();
if(point<=50)
{ system("cls");
char cht;

cout<<"\n\n\n\n\n\n#####
#####\n";
    cout<<"\n\n\n\t\t\t DO YOU WANT TO IMPROVE YOUR RESULT ?\n";

cout<<"\n\n\n\n\n\n#####
#####\n";
    cout<<"\n\t\t\t ENTER 'Y' FOR YES OR 'N' FOR NO : ";
    cin>>cht;
    if(cht=='Y'|| cht=='y')
    { bonus(); }
}
else
{ system("cls");

cout<<"\n\n\n\n\n\n#####
#####\n";
    cout<<"\n\n\n\t\t\t\t\tLEVEL 3 FAILED!!!\n";

cout<<"\n\n\n\n\n\n#####
#####\n";
    Sleep(3000);
```

```
cout<<"PRESS ENTER TO CONTINUE";
getch();
system("cls");
point=point1+point2+point3+point4;
cout<<"\n\n\n\n\n\n\n";
cout<<"\n\n\t\t\t -----";
cout<<"\n\n\t\t\t YOUR TOTAL SCORE : "<<point;
cout<<"\n\n\t\t\t -----";
cout<<"\n\n\n";
Sleep(2000);
if(point==100)
{ cout<<"\t\tNo Cheating... You Have Done This Earlier Also !!"; }
else if(point==90)
{ cout<<"\t\t\tYou Are Extremely Intelligent !!"; }
else if(point==80)
    { cout<<"\t\t\t You Are Intelligent !!"; }
      else if((point==70)|| (point==60)|| (point==50))
          { cout<<"\t\t You Are Average... Better Luck Next Time !!"; }
            else if(point<=40)
                { cout<<"\t\t\t You Need to Practice More !!"; }

Sleep(2000);
cout<<"\n\n\n\n\n\n\n\n\nPRESS ENTER TO CONTINUE";
getch();
if(point<=50)
{ bonus(); }
}
}
else
{ system("cls");

cout<<"\n\n\n\n\n\n#####\n";
cout<<"\n\n\n\t\t\tLEVEL 2 FAILED!!!\n";

cout<<"\n\n\n\n\n\n#####\n";
Sleep(3000);
cout<<"PRESS ENTER TO CONTINUE";
getch();
system("cls");
point=point1+point2+point3+point4;
cout<<"\n\n\n\n\n\n\n";
cout<<"\n\n\t\t\t -----";
cout<<"\n\n\t\t\t YOUR TOTAL SCORE : "<<point;
cout<<"\n\n\t\t\t -----";
```



```
cout<<"\n\n\n";
Sleep(2000);
if(point==100)
{ cout<<"\t\tNo Cheating... You Have Done This Earlier Also !!"; }
else if(point==90)
    { cout<<"\t\tYou Are Extremely Intelligent !!"; }
    else if(point==80)
        { cout<<"\t\t    You Are Intelligent !!"; }
        else if((point==70)|| (point==60)|| (point==50))
            { cout<<"\t\t    You Are Average... Better Luck Next Time !!"; }
            else if(point<=40)
                { cout<<"\t\t\t You Need to Practice More !!"; }

Sleep(2000);
cout<<"\n\n\n\n\n\n\n\nPRESS ENTER TO CONTINUE";
getch();
if(point<=50)
{ bonus(); }
}
}
else
{ system("cls");

cout<<"\n\n\n\n\n\n#####\n";
cout<<"\n\n\n\t\t\t\tLEVEL 1 FAILED!!!\n";

cout<<"\n\n\n\n\n\n#####\n";
Sleep(3000);
cout<<"PRESS ENTER TO CONTINUE";
getch();
system("cls");
point=point1+point2+point3+point4;
cout<<"\n\n\n\n\n\n\n";
cout<<"\n\n\n\t\t\t -----";
cout<<"\n\n\n\t\t\t YOUR TOTAL SCORE : "<<point;
cout<<"\n\n\n\t\t\t -----";
cout<<"\n\n\n\n";
Sleep(2000);
if(point==100)
{ cout<<"\t\tNo Cheating... You Have Done This Earlier Also !!"; }
else if(point==90)
    { cout<<"\t\t\tYou Are Extremely Intelligent !!"; }
    else if(point==80)
        { cout<<"\t\t\t    You Are Intelligent !!"; }
```

```

else if((point==70) || (point==60) || (point==50))
    { cout<<"\t\t You Are Average... Better Luck Next Time !!"; }
else if(point<=40)
    { cout<<"\t\t\t You Need to Practice More !!"; }

Sleep(2000);
cout<<"\n\n\n\n\n\n\n\n\nPRESS ENTER TO CONTINUE";
getch();
if(point<=50)
    { bonus(); }
}
}

void game::easy()
{ system("cls");
    cout<<"\n\n\n\n\n\n\n\n\n\n\tFOR CLEARING LEVEL 1 YOU NEED TO SCORE ATLEAST 10 POINTS
!!";
    Sleep(4500);
    system("cls");
    cout<<"\n\t\t\t\t\t****LEVEL-1****\n\n\n";
    Sleep(1000);
    cout<<"\n\t\t\t\t *****";
    cout<<"\n\t\t\t\t | INSTRUCTIONS |";
    cout<<"\n\t\t\t\t *****";
    Sleep(800);
    cout<<"\n\n\n\n"

<<"\n#####
###\n";
    cout<<"\n\t THE LOGIC BEHIND THIS LEVEL IS THAT YOU NEED TO GUESS\n";
    Sleep(2500);
    cout<<"\n\t THE MISSING CONSONANTS IN THE GIVEN WORD\n";
    Sleep(2500);
    cout<<"\n\t BUT THE INTERESTING PART IS THAT YOU NEED TO\n";
    Sleep(2500);
    cout<<"\n\t GUESS ALL THE CONSONANTS IN ONE GO AS PER THEIR\n";
    Sleep(2500);
    cout<<"\n\t ORDER OF OCCURENCE!!\n";
    Sleep(1500);
    cout<<"\n\n\n\n\t _____"
    <<"\n\t FOR EXAMPLE"
    <<"\n\t _____\n"
    <<"\n\t _O_PU_E_\n";
    Sleep(4000);
    cout<<"\n\t THE WORD IS : COMPUTER. SO WHILE GUESSING YOU SHOULD\n";
    Sleep(3000);
    cout<<"\n\t FIRST SAY C, THEN M,T AND AT LAST R\n";
}
}

```

```
Sleep(8000);
```

```
cout<<"\n#####\n";
```

```
cout<<"      IF A CONSONANT IS REPEATING IN THE GIVEN WORD THEN \n"
```

```
<<"\n      YOU MUST ENTER IT TWICE AS PER ITS ORDER OF OCCURENCE";
```

```
cout<<"\n\n";
```

```
cout<<"\n      NOTE : CHANCES TO GUESS = TOTAL NO OF BLANKS IN THE GIVEN WORD\n"
```

```
<<"\n#####\n";
```

```
Sleep(10000);
```

```
cout<<"PRESS ENTER TO CONTINUE";
```

```
getch();
```

```
system("cls");
```

```
char ec1[]={'t','w','t','r'};
```

```
int ec2=0;
```

```
Sleep(1000);
```

```
system("cls");
```

```
cout<<"\n\n#####\n";
```

```
cout<<"\n\t\t\tYOU HAVE 1 CHANCE FOR EACH BLANK\n";
```

```
Sleep(1500);
```

```
cout<<"\n\t\t\tENTER ALL YOUR CHOICES\n";
```

```
Sleep(1500);
```

```
cout<<"\n\t\t\tIN ONE GO\n";
```

```
Sleep(1500);
```

```
cout<<"\n\t\tIF A CONSONANT IS REPEATING IN THE GIVEN WORD THEN\n";
```

```
Sleep(2000);
```

```
cout<<"\n\t\tYOU MUST ENTER IT TWICE AS PER ITS ORDER OF OCCURENCE\n";
```

```
cout<<"\n#####\n";
```

```
Sleep(3000);
```

```
cout<<"PRESS ENTER TO CONTINUE";
```

```
getch();
```

```
system("cls");
```

```
cout<<"\n\n\n\n\n\t\tLETS BEGIN THE GAME !!!!";
```

```
Sleep(2000);
```

```
cout<<"\n\n\n\n\t\t__I_TE_\n";
```

```
Sleep(1000);
```

```
cout<<"\n\t\t(LARRY BIRD IS THE LOGO OF WHICH FAMOUS COMPANY)\n\n";
```

```
Sleep(8000);
```

```
cout<<"ENTER ANSWERS :\n";
```

```

for(int e=0;e<4;e++)
{ cout<<"\nBLANK "<<e+1<<" : ";
  cin>>ec[e];
}
for(int e1=0;e1<4;e1++)
{ if(ec1[e1]==ec[e1])
  { ec2++; }
}
if(ec2==4)
{ point1=point1+10;
  cout<<"\n\nALL ARE CORRECT !! YOU GET 10 POINTS !!!";
  cout<<"\n\nTHE WORD IS : TWITTER";
}
else
{ cout<<"\n\nBLANK ";
  for(int e1=0;e1<4;e1++)
  { if(ec1[e1]==ec[e1])
    { continue; }
    else
    { cout<<e1+1<<" "; }
  }
  cout<<"IS/ARE INCORRECT !!";
  cout<<"\n\nTHE WORD IS : TWITTER";
  cout<<"\n\nYOU GET 0 POINTS !!";
}
Sleep(3000);
cout<<"\n\n\nPRESS ENTER TO CONTINUE";
getch();
system("cls");
char mc1[]={ 'l','k' };
int mc2=0;
Sleep(1000);
cout<<"\n\n\n\t\t\t\t\t _l_E\n";
Sleep(1000);
cout<<"\n\t\t\t\t\t (IF YOU +1 ON GOOGLE+, THEN WHAT IS IT ON FACEBOOK)\n\n";
Sleep(8000);
cout<<"ENTER ANSWERS :\n";
for(int m=0;m<2;m++)
{ cout<<"\nBLANK "<<m+1<<" : ";
  cin>>mc[m];
}
for(int m1=0;m1<2;m1++)
{ if(mc1[m1]==mc[m1])
  { mc2++; }
}

```

```

if(mc2==2)
{ point1=point1+10;
  cout<<"\n\nALL ARE CORRECT !! YOU GET 10 POINTS !!!";
  cout<<"\n\nTHE WORD IS : LIKE";
}
else
{ cout<<"\n\nBLANK ";
  for(int m1=0;m1<2;m1++)
  { if(mc1[m1]==mc[m1])
    { continue; }
    else
    { cout<<m1+1<<" "; }
  }
  cout<<"IS/ARE INCORRECT !!";
  cout<<"\n\nTHE WORD IS : LIKE";
  cout<<"\n\nYOU GET 0 POINTS !!";
}
Sleep(3000);
cout<<"\n\n\nPRESS ENTER TO CONTINUE";
getch();
system("cls");
char hc1[]={'r','c','l'};
int hc2=0;
Sleep(1000);
cout<<"\n\n\n\t\t\t\t O_A__E\n";
Sleep(1000);
cout<<"\n\t (SUN MICROSYSTEMS HAS BEEN ACQUIRED BY WHICH FAMOUS COMPANY)\n\n";
Sleep(8000);
cout<<"ENTER ANSWERS :\n";
for(int h=0;h<3;h++)
{ cout<<"\nBLANK "<<h+1<<" : ";
  cin>>hc[h];
}
for(int h1=0;h1<3;h1++)
{ if(hc1[h1]==hc[h1])
  { hc2++; }
}
if(hc2==3)
{ point1=point1+10;
  cout<<"\n\nALL ARE CORRECT !! YOU GET 10 POINTS !!!";
  cout<<"\n\nTHE WORD IS : ORACLE";
}
else
{ cout<<"\n\nBLANK ";
  for(int h1=0;h1<3;h1++)

```

```
{ if(hc1[h1]==hc[h1])
{ continue; }
else
{ cout<<h1+1<<" "; }
}
cout<<"IS/ARE INCORRECT !!";
cout<<"\n\nTHE WORD IS : ORACLE";
cout<<"\n\nYOU GET 0 POINTS !!";
}
Sleep(3000);
cout<<"\n\nPRESS ENTER TO CONTINUE";
getch();
system("cls");
cout<<"\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n";
cout<<"\t\tYOUR TOTAL SCORE OF LEVEL 1 : "<<point1<<endl;
Sleep(2000);
cout<<"\n\n\n\n\n\n\n\n\n\nPRESS ENTER TO CONTINUE";
getch();
}
void game::med()
{ system("cls");
cout<<"\n\n\n\n\n\n\n\n\n";
cout<<"\n\n\n\t\tYOU HAVE QUALIFIED FOR LEVEL 2 !!\n\n\n";
cout<<"\n\n\t\t\tPLEASE WAIT!!\n\n\n";
Sleep(4500);
system("cls");
cout<<"\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\tFOR CLEARING LEVEL 2 YOU NEED TO SCORE ATLEAST 20
POINTS !!";
Sleep(3000);
system("cls");
cout<<"\n\t\t\t****LEVEL-2****\n\n\n";
Sleep(1000);
cout<<"\n\t\t\t*****";
cout<<"\n\t\t\t| INSTRUCTIONS |";
cout<<"\n\t\t\t*****";
Sleep(800);
cout<<"\n\n\n"
<<"\n#####
###\n";
cout<<"\t\tTHERE WILL BE A SEQUENCE OF WORDS\n";
Sleep(2000);
cout<<"\n\t\tWHICH WILL VANISH IN A FEW SECONDS\n";
Sleep(2000);
cout<<"\n\t\tYOU NEED TO REMEMBER ALL THE WORDS\n";
```



```

Sleep(2000);
cout<<"\t\t  -----";
cout<<"\n\t\t  INFINITELY OR IMMEASURABLY SMALL";
cout<<"\n\t\t  -----";
Sleep(2000);
cout<<"\n\n\n\n\t\t\t  ENTER YOUR ANSWER :\n";
cout<<"\n\t\t\t  ";
cin>>ans;
if(!strcmpi(ans,"minute"))
{ point2=point2+10;
  cout<<"\n\n\t\t  YOU ARE RIGHT !! YOU GET 10 POINTS !!!";
  cout<<"\n\n\t\t  ANSWER IS : MINUTE";
}
else
{ cout<<"\n\n\t\t  YOU ARE WRONG, RIGHT ANSWER IS : MINUTE !!";
  cout<<"\n\n\t\t  YOU GET 0 POINTS !!";
}
Sleep(3000);
cout<<"\n\nPRESS ENTER TO CONTINUE";
getch();
system("cls");
for(x=3;x>=0;x--)
{ system("cls");
  cout<<"\n\n\n\n\t\t\t\t  ##2";
  cout<<"\n\n\n\n\n";
  cout<<"\t\t\t\t\tARE YOU READY ? "<<x;
  Sleep(1500);
}
system("cls");
cout<<"\n\n\n\n\n\t\t\t\t  ##2";
cout<<"\n\n\n\n";

cout<<"\n#####
#####";
cout<<"\n\n\t\t  ESTABLISH, DEMORALIZE, PROJECT, TELLURIUM, DISTANCE\n";

cout<<"\n\n#####
#####\n";
Sleep(5000);
system("cls");
cout<<"\n\n\n\n\n";
cout<<"\n\t\t\t\t  WRITE WORD FOR THE MEANING !!\n\n\n";
Sleep(2000);
cout<<"\t\t\t  -----";
cout<<"\n\t\t\t  A PLANNED UNDERTAKING";

```



```
cout<<"\n\t\t\t\t\t";
cin>>ans;
if(!strcmpi(ans,"skill"))
{ point2=point2+10;
  cout<<"\n\n\t\t\t YOU ARE RIGHT !! YOU GET 10 POINTS !!!";
  cout<<"\n\n\t\t\t ANSWER IS : SKILL";
}
else
{ cout<<"\n\n\t\t\t YOU ARE WRONG, RIGHT ANSWER IS : SKILL !!!";
  cout<<"\n\n\t\t\t YOU GET 0 POINTS !!!";
}
Sleep(3000);
cout<<"\n\nPRESS ENTER TO CONTINUE";
getch();
system("cls");
cout<<"\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n";
cout<<"\t\t\tYOUR TOTAL SCORE OF LEVEL 2 : "<<point2<<endl;
Sleep(2000);
cout<<"\n\n\n\n\n\n\n\n\n\n\n\n\nPRESS ENTER TO CONTINUE";
getch();
}

void game::hard()
{ system("cls");
  cout<<"\n\n\n\n\n\n\n\n\n\n";
  cout<<"\n\n\n\t\t\tYOU HAVE QUALIFIED FOR LEVEL 3 !!\n\n\n";
  cout<<"\n\n\t\t\t\t\t PLEASE WAIT !!\n\n\n";
  Sleep(4500);
  system("cls");
  cout<<"\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t FOR CLEARING LEVEL 3 YOU NEED TO SCORE ATLEAST 30
POINTS !!!";
  Sleep(3000);
  system("cls");
  cout<<"\n\t\t\t\t\t ****LEVEL-3****\n\n\n";
  Sleep(1000);
  cout<<"\n\t\t\t\t\t *****";
  cout<<"\n\t\t\t\t\t | INSTRUCTIONS |";
  cout<<"\n\t\t\t\t\t *****";
  Sleep(800);
  cout<<"\n\n\n\n";

cout<<"\n#####
#####\n";
  cout<<"\t\t\t THERE WILL BE A JUMBLED WORD\n";
  Sleep(2000);
  cout<<"\n\t\t\t YOU NEED TO UNJUMBLE THE JUMBLED WORD\n";
```

```
Sleep(2000);
```

```
cout<<"\n#####  
#####\n";
```

```
cout<<"\n\t\t 10 POINTS WILL BE AWARDED FOR EACH RIGHT ANSWER!!!\n";
```

```
cout<<"\n\t\t DIFFICULTY LEVEL WILL INCREASE WITH EACH";
```

```
cout<<"\n\n\t\tSUBSEQUENT QUESTION !!\n\n\n";
```

```
cout<<"\n#####  
#####\n";
```

```
Sleep(5000);
```

```
cout<<"PRESS ENTER TO CONTINUE";
```

```
getch();
```

```
system("cls");
```

```
cout<<"\n\n\n\n\t\t\t\t\t##1";
```

```
cout<<"\n\n\n";
```

```
Sleep(800);
```

```
cout<<"\t\t-----";
```

```
cout<<"\n\t\t      ERNTTNEI";
```

```
cout<<"\n\t\t-----";
```

```
Sleep(2000);
```

```
cout<<"\n\n\t\t(A GLOBOL NETWORK CONNECTING MILLIONS OF COMPUTERS)";
```

```
Sleep(4000);
```

```
cout<<"\n\n\n\n\t\t\t ENTER YOUR ANSWER :\n";
```

```
cout<<"\n\t\t\t";
```

```
cin>>ans;
```

```
if(!strcmpi(ans,"internet"))
```

```
{ point3=point3+10;
```

```
cout<<"\n\n\t\t YOU ARE RIGHT !! YOU GET 10 POINTS !!!";
```

```
cout<<"\n\n\t\tANSWER IS : INTERNET";
```

}

else

```
{ cout<<"\n\n\t\t YOU ARE WRONG, RIGHT ANSWER IS : INTERNET !!";
```

```
cout<<"\n\n\t\t YOU GET 0 POINTS !!";
```

}

```
Sleep(3000);
```

```
cout<<"\n\nPRESS ENTER TO CONTINUE";
```

```
getch();
```

```
system("cls");
```

```
cout<<"\n\n\n\n\t\t\t\t\t##2";
```

```
cout<<"\n\n\n";
```

```
Sleep(800);
```

```
cout<<"\t\t-----";
```

```
cout<<"\n\t\t      NNTNOVOAII";
```

```
cout<<"\n\t\t-----";
```

[illegible]

[illegible]

```

cout<<"\n
_____";
Sleep(1000);
cout<<"\n\n\t\t\t -----";
cout<<"\n\t\t\t >>>TRY GUESSING IT<<<";
cout<<"\n\t\t\t -----";
Sleep(4000);
system("cls");
menu:
do{
cout<<"\n_____
____";
cout<<"\n|.##.....##....###...####.##....##....##....##.#####.##....##.##....##|";
cout<<"\n|.###...###...##.##....##...###...##....###...###.##.....###...##.##....##|";
cout<<"\n|.####.####..##...##...##..####.##....####.####.##.....####.##.##....##|";
cout<<"\n|.##.###.##.##....##..##..##.##.##....##.###.##.#####...##.##.##.##....##|";
cout<<"\n|.##.....##.#####.##..##..####...##....##.##....##..####.##....##|";
cout<<"\n|.##.....##.##....##..##..##....###...##....##.##....##..####.##....##|";
cout<<"\n|.##.....##.##....##.####.##....##....##....##.#####.##....##..#####.|";

cout<<"\n_____
____\n\n\n";

cout<<"\n#####
##\n";
cout<<"\n\n\t\t\t -----";
cout<<"\n\t\t\t 1. PLAY";
cout<<"\n\t\t\t 2. EXIT";
cout<<"\n\t\t\t -----";
cout<<"\n\n";

cout<<"#####
#";
cout<<"\n\n\n\t\t\t Enter Your Choice :\t";
cin>>choice;
system("cls");
switch(choice)
{ case 1: g.play();
break;
case 2: exit(0);
break;
default: cout<<"\n\t\t\tWRONG CHOICE !!!";
goto menu;
}
system("cls");

```

}

❖ OUTPUT



(Intro screen of the game)

[illegible]

(Main-Menu of the Game)

```

***LEVEL-1***

*****
| INSTRUCTIONS |
*****

#####

THE LOGIC BEHIND THIS LEVEL IS THAT YOU NEED TO GUESS

THE MISSING CONSONANTS IN THE GIVEN WORD

BUT THE INTERESTING PART IS THAT YOU NEED TO

GUESS ALL THE CONSONANTS IN ONE GO AS PER THEIR

ORDER OF OCCURENCE!!

```

(Instructions for level 1)

LETS BEGIN THE GAME !!!!

__I_TE__

(LARRY BIRD IS THE LOGO OF WHICH FAMOUS COMPANY)

(First question of Level 1)


```

                LETS BEGIN THE GAME !!!!

                __I_TE_

                (LARRY BIRD IS THE LOGO OF WHICH FAMOUS COMPANY)

ENTER ANSWERS :

BLANK 1 : t

BLANK 2 : w

BLANK 3 : t

BLANK 4 : r

ALL ARE CORRECT !! YOU GET 10 POINTS !!!

THE WORD IS : TWITTER_

```

(Entering answers for question 1)

```

                __I_E

                (IF YOU +1 ON GOOGLE+, THEN WHAT IS IT ON FACEBOOK)

ENTER ANSWERS :

BLANK 1 : l

BLANK 2 : k

ALL ARE CORRECT !! YOU GET 10 POINTS !!!

THE WORD IS : LIKE_

```

(Entering answers for question 2)

```

                O_A_E

                (SUN MICROSYSTEMS HAS BEEN ACQUIRED BY WHICH FAMOUS COMPANY)

ENTER ANSWERS :

BLANK 1 : r

BLANK 2 : v

BLANK 3 : l

BLANK 2 IS/ARE INCORRECT !!

THE WORD IS : ORACLE

YOU GET 0 POINTS !!_

```

(Entering answers for question 3)

```

***LEVEL-2***

*****
| INSTRUCTIONS |
*****

#####
THERE WILL BE A SEQUENCE OF WORDS
WHICH WILL VANISH IN A FEW SECONDS
YOU NEED TO REMEMBER ALL THE WORDS
OF THE SEQUENCE, THEN YOU NEED TO GIVE
ONE WORD FROM THE SEQUENCE OF WORDS YOU
HAVE OBSERVED EARLIER FOR THE MEANING ASKED!!
#####
_

```

(Instructions for level 2)

```

##1

#####
MINUTE, CUP, ANT, DISK, CHIP
#####

```

(First question for level 2)

```

WRITE WORD FOR THE MEANING !!

-----
INFINITELY OR IMMEASURABLY SMALL
-----

ENTER YOUR ANSWER :

minute

YOU ARE RIGHT !! YOU GET 10 POINTS !!!

ANSWER IS : MINUTE_

```

(Entering answers for level 2)

```
WRITE WORD FOR THE MEANING !!

-----
A PLANNED UNDERTAKING
-----

ENTER YOUR ANSWER :

tellurium

YOU ARE WRONG, RIGHT ANSWER IS : PROJECT !!

YOU GET 0 POINTS !!_
```

(Entering answers for level 2)

```
##1

-----
ERNTTNEI
-----

(A GLOBOL NETWORK CONNECTING MILLIONS OF COMPUTERS)

ENTER YOUR ANSWER :

internet

YOU ARE RIGHT !! YOU GET 10 POINTS !!!

ANSWER IS : INTERNET
```

(Entering answers for Level 3)

```
-----

YOUR TOTAL SCORE : 50

-----

You Are Average... Better Luck Next Time !!

PRESS ENTER TO CONTINUE_
```

(Total Score after 3 levels)

```

***BONUS LEVEL***

*****
| INSTRUCTIONS |
*****

#####

IT WILL BE A MULTIPLE CHOICE QUESTION

TYPE QUIZ

YOU WILL BE PROVIDED SERIES OF QUESTIONS

WITH 4 OPTIONS EACH

FROM THE 4 OPTIONS ONLY ONE OPTION IS CORRECT

```

(Bonus level instructions)

```

#####

Ques No. 1

When was COVID-19 introduced to the world?

A. November 2019
B. December 2019
C. January 2020
D. February 2020

#####

Enter Your Answer : B

YOU ARE RIGHT YOU GET 5 POINTS !!

```

(Answering questions for Bonus Level)

```

#####

Ques No. 2

Who won recent presedential elections in the US?

A. Barack Obama
B. Donald Trump
C. Kanye West
D. Joe Biden

#####

Enter Your Answer : D_

```

(Answering questions for Bonus Level)

❖ FINAL ACCOMPLISHMENTS

The final accomplishments through this project include:

1. Learning and implementing the basic concepts of Data Structures.
2. Using the concepts of Data Structures to successfully compile a Quiz Game as a project.