**PROJECT BASED LEARNING REPORT**

On

**QUIZ GAME IN C**

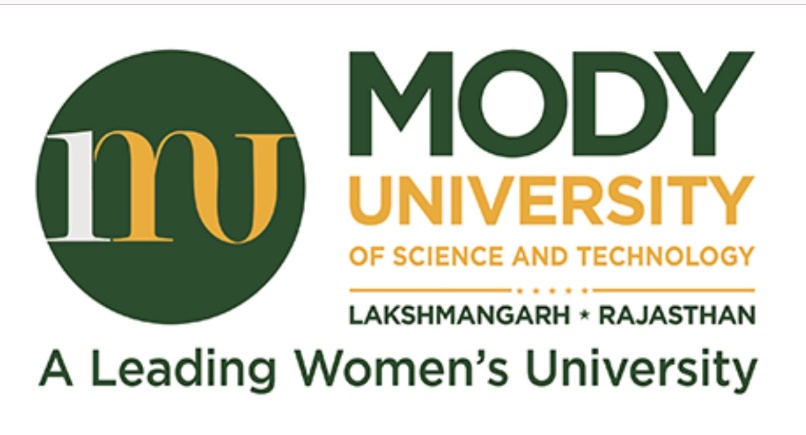
Submitted

In partial fulfilment

For the award of the degree of

**B.Tech.(CSE)**

In Department of Computer Science and Engineering



Submitted to: Submitted by:

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**MODY UNIVERSITY OF SCIENCE & TECHNOLOGY**

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**CERTIFICATE**

This is to certify that Ms. Nidhi Choudhary, Ms. Yukti Goyal, Ms.Hiral Jain, Ms. Akshita Kanther, Ms.Simran Jain has completed the Project Based Learning (PBL) project successfully on the topic “QUIZ GAME IN C”.

Dr.Anand Sharma

Project Mentor

**ACKNOWLEDGEMENT**

It gives us a great sense of pleasure to present the report of the B.Tech project undertaken during B.Tech first year. We owe special debt of gratitude to Dr. Anand Sharma for his constant support and guidance Throughout the course of our work, his sincerity, thoroughness and perseverance have been a constant of inspiration for us . It is only his cognizant efforts that our endeavours have seen light of the day.

We would relish expressing our gratitude and appreciation towards the dean SET Dr. V.K Jain, Mody University Lakshmangarh, for giving this opportunity to showcase our aptitude and build the substructure we would require in the professional life.

We also do not like to miss the opportunity to acknowledge the great opportunity contribution of all faculty members of the department for their kind assistance and cooperation during the developing of our project.

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SIGNATURE OF STUDENTS

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**ABSTRACT**

Our project based learning of C programming is based on the quiz game .In this we have a program of game using the concepts of C programming i.e. if-else statements,switch statement,functions,exit function,.The purpose of Quiz System is to automate the existing manual system by the help of computerised equipments.Moreover,this system can lead to error free,secure,reliable and fast management system.The required software and hardware are easily available and easy to work with.

**SOFTWARE USED**

1.TURBO C for WINDOWS 10

2.MICROSOFT WORD

3.MICROSOFT POWERPOINT

**HARDWARE USED**

**Processor used**: Intel(R) Core™ i5-7200U [CPU @ 2.50GHz](mailto:CPU@2.50GHz) 2.71GHz

**RAM**  :8.00Gb

EDITION :WINDOW 10 HOME SINGLE LANGUAGE

**ELABORATION OF SOFTWARE**

TURBO C++

Turbo C++ is a discontinued C++ compiler and integrated development environment and computer language originally from Borland. Most recently it was distributed by Embarcadero Technologies, which acquired all of Borland's compiler tools with the purchase of its CodeGear division in 2008. The original Turbo C++ product line was put on hold after 1994 and was revived in 2006 as an introductory-level IDE, essentially a stripped-down version of their flagship C++Builder. Turbo C++ 2006 was released on September 5, 2006 and was available in 'Explorer' and 'Professional' editions.

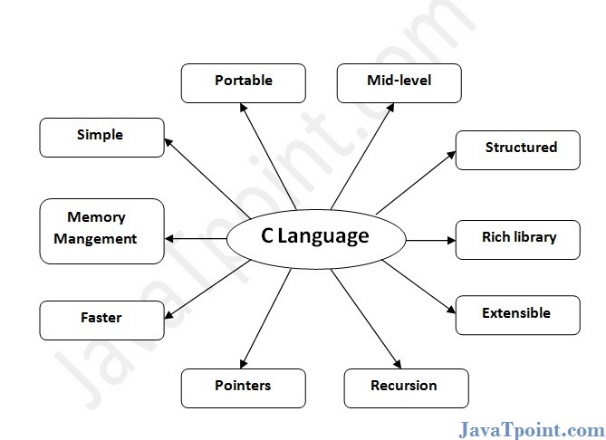
**CHAPTER 1 : INTRODUCTION TO C**

* 1. **WHAT IS C?**

C is a programming language that was developed by AT&T’s BELL LABORATORIES of USA in 1972.It was written and designed by DENNIS RITCHIE . It replaced languages like ALGOL because of the close analogy between learning English language and learning language.It is a successor of B LANGUAGE. A C program can vary from 3 lines to millions of lines and it should be written into one or more text files with extension ".c"; for example, *hello.c*.

* 1. **FEATURES OF C**

We use C due to it’s salient features:



**1.3 USE OF C IN VARIOUS FIELDS**

And why C seems to be popular is because it is reliable, simple and easy to use. Moreover , when it comes to performance (speed of execution) nothing beats C.If one is to extend the operating system to work with new devices one needs to write device driver program which are exclusively written in C.The programs for mobile devices like cellular phones and palmtops.Moreover, common consumer devices like microwave ovens, washing machines and digital cameras are wriiten in C.

Several professional 3D computer games where the user navigates some object,like say a spaceship and fire bullets at the invaders.The essence of such games is speed.This is where C language scores over other languages.Many popular gaming frameworks have been built using C language.

**CHAPTER 2: SELECTION STATEMENTS**

**2.1 if statement**

A statement or set of statements are executed when the condition is true,otherwise these are skipped.

SYNTAX:

if(condition)

{

Statement(s);

}

**2.2 if-else statement**

This statement executes one of two alternative statements,according to specified condition.

SYNTAX:

if(condition)

{

Statement(s);

}

else

{

Statement(s);

}

**2.3 if-else-if statement**

This statement executes more than two alternative conditional statements according to the specified conditions.

SYNTAX:

if(condition 1)

{ statement(s);}

else if(condition 2)

{ statement(s);}

else if(condition 3)

{ statement(s);}

:

:

else

{ statement(s);}

**2.4 NESTED IF STATEMENT**

An if statement can be used within another if or else statement .This is called nested if statement.

**SYNTAX:**

if(condition 1)

{

Statement 1;

if(condition 2)

statement 2;

}

else

if(condition 3)

statement 3;

**2.5 SWITCH STATEMENT**

This statement provides an alternative to if-else-if construct.It is a multiway branching statement.The switch statement uses one or more case labels.If no matches found ,the default block will be executed.

SYNTAX:

switch(expression)

{

case 1:

block 1;

break;

case 2:

:

:

default: statement;

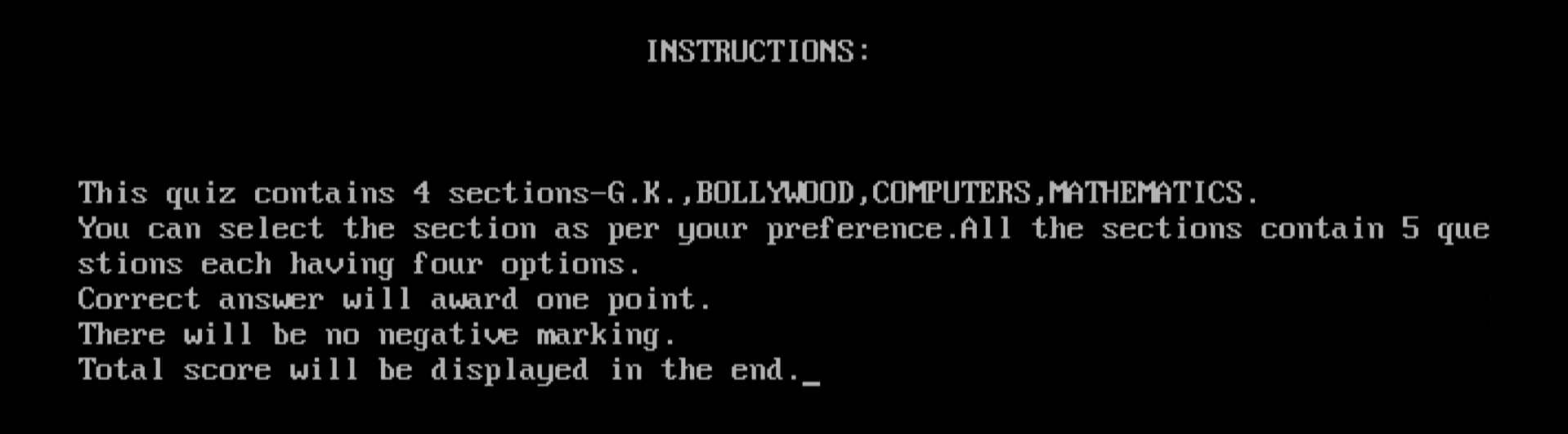
}

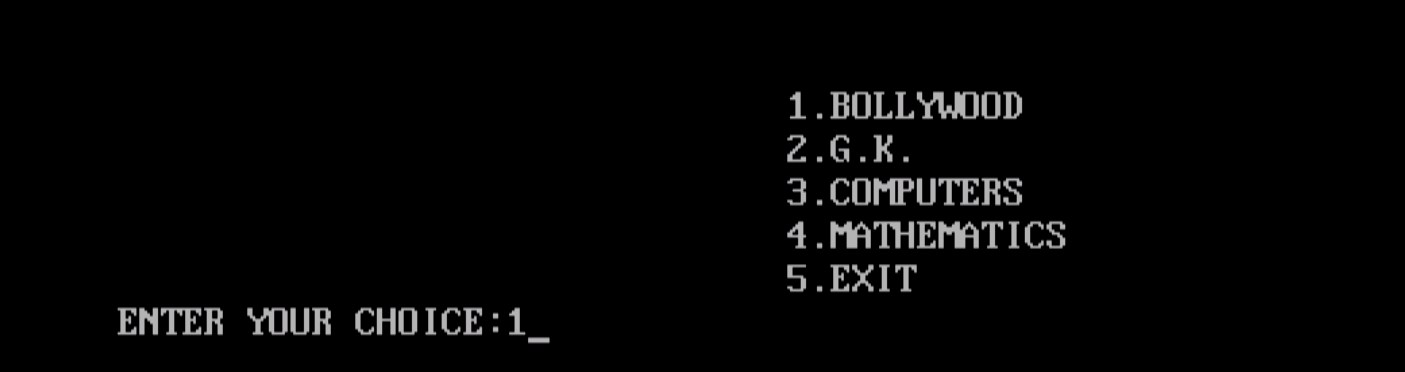
**CHAPTER 3 : QUIZ GAME**

3.1 WHY QUIZ?

* In computer system ,it is not necessary to create the manifest but we can directly print it which saves out time.
* Easy to understand by the user.
* Easy to operate.
* Manage the information of questions.
* Leads to error free , secure ,reliable and fast management system.

3.2 INSTRUCTIONS TO THE QUIZ





**CHAPTER -5 ALGORITHM**

1.Declaration of variable ‘N’ , ’a’, ‘c=0’.

2.MENU REGARDING THE VARIOUS GENRES IS DISPLAYED.

3.USER’S CHOICE IS STORED IN VARIABLE ‘N’.

4.USING THE SWITCH STATEMENT AND VARIABLE ‘N’ AS THE INTEGER EXPRESSION ,THE VALUE OF ‘N’ IS MATCHED AGAINST THE CONSTANT VALUES THAT FOLLOW THE CASE STATEMENT.

5.WHEN MATCH IS FOUND ,THE PROGRAM EXECUTES THE STATEMENTS FOLLOWING THAT CASE – corresponding function will be called and questions will be displayed. if the match is not found then default will be executed displaying inappropriate choice.

6.The answer of the user will be stored in variable ‘a’.

7.Using the if statement answer will be matched if it is a right answer then value of ‘c’ will be incremented otherwise it won’t.

8.At the end value of ‘c’ will be printed displaying the total score.

**CHAPTER-6 PROGRAM:**

#include<stdio.h>

#include<conio.h>

#include<stdlib.h>

void bollywood();

void gk();

void computers();

void mathematics();

void main\_menu();

void instructions()

{

printf("\n\t\t\t\tINSTRUCTIONS:");

printf("\n\n\t\t This quiz contains 4 sections-G.K.,BOLLYWOOD,COMPUTERS,MATHEMATICS.\nYou can select the section as per your preference.All the sections contain 5 questions each having four options.\nCorrect answer will award one point.\nThere will be no negative marking.\nTotal score will be displayed in the end.");

getch();

clrscr();

}

void main\_menu()

{

int i;

printf("\n\n\t\t\t\t1.BOLLYWOOD");

printf("\n\t\t\t\t2.G.K.");

printf("\n\t\t\t\t3.COMPUTERS");

printf("\n\t\t\t\t4.MATHEMATICS");

printf("\n\t\t\t\t5.EXIT");

printf("\n ENTER YOUR CHOICE:");

scanf("%d",&i);

switch(i)

{

case 1: clrscr();

bollywood();

break;

case 2:

clrscr();

gk();

break;

case 3:

clrscr();

computers();

break;

case 4:

clrscr();

mathematics();

break;

case 5:

exit(0);

default:

printf("\n\nWRONG CHOICE");

exit(0);

}

}

void bollywood()

{

int a,b,g,e,f,k=0,z;

printf("\nQ1.Who said the dialogue'thapad se dar nahi lagta sahab, pyar se lagta hai'?\n1.Sonakshi sinha\n2.Priyanka chopra\n3.Kareena kapoor\n4.Katrina kaif");

printf("\nENTER YOUR ANSWER:");

scanf("%d",&a);

if(a==1)

{ printf("\n CORRECT ANSWER");

k++;

}

else

{ printf("\n WRONG ANSWER");}

printf("\n\nQ2.Who was hero in the movie 'BLACKMAIL'?\n1.Salman khan\n2.Irrfan khan\n3.Varun dhawan\n4.Shahid kapoor");

printf("\nENTER YOUR ANSWER:");

scanf("%d",&b);

if(b==2)

{ printf("\n CORRECT ANSWER");

k++;

}

else

{printf("\n WRONG ANSWER");}

getch();

clrscr();

printf("\nQ3.Who was the hero in the movie'BHAAG MILKHA BHAAG'?\n1.Farhan Akhtar\n2.Shahrukh Khan\n3.Salman Khan\n4.Ranveer Singh");

printf("\n ENTER YOUR ANSWER:");

scanf("%d",&g);

if(g==1)

{ printf("\n CORRECT ANSWER");

k++;

}

else

{printf("\n WRONG ANSWER");}

printf("\nQ4.Who was 'Naina Mathur'in Hichki movie?\n1.Rani Mukherji\n2.Parineeti Chopra\n3.Kareena Kapoor\n4.Kriti Sanon");

printf("\nENTER YOUR ANSWER:");

scanf("%d",&e);

if(e==1)

{ printf("\n CORRECT ANSWER");

k++;

}

else

{printf("\n WRONG ANSWER");}

getch();

clrscr();

printf("\nQ5.How many songs are in the 'GOLD' movie?\n1.2songs\n2.5songs\n3.6songs\n4.8songs");

printf("\nENTER YOUR ANSWER:");

scanf("%d",&f);

if(f==4)

{ printf("\n CORRECT ANSWER");

k++;

}

else

{printf("\n WRONG ANSWER");}

clrscr();

printf("\n\n\n\n\t YOUR SCORE IS:%d",k);

printf("\n\n\t press (1) to go main menu & any other key to exit:");

scanf("%d",&z);

if(z==1)

main\_menu();

else

exit(0);

}

void gk()

{

int a,b,c,e,f,k=0,z;

printf("\nQ1.The first metal used by the man was?\n1.iron\n2.copper\n3.aluminium\n4.gold");

printf("\nENTER YOUR ANSWER:");

scanf("%d",&a);

if(a==1)

{

printf("\n CORRECT ANSWER");

k++;

}

else

printf("\n WRONG ANSWER");

printf("\n\nQ2.Panjab is famous for?\n1.nylon textile\n2.silk textile\n3.woolen textile\n4.cottan textile");

printf("\nENTER YOUR ANSWER:");

scanf("%d",&b);

if(b==2)

{

printf("\n CORRECT ANSWER");

k++;

}

else

printf("\n WRONG ANSWER");

getch();

clrscr();

printf("\n\nQ3.Gobar gas contain mainly?\n1.carbon dioxide\n2.methane\n3.ethylene\n4.carbon monoxide");

printf("\nENTER YOUR ANSWER:");

scanf("%d",&c);

if(c==3)

{

printf("\n CORRECT ANSWER");

k++;

}

else

printf("\n WRONG ANSWER");

printf("\n\nQ4.The hottest planet in the solar system?\n1.earth\n2.venus\n3.mars\n4.jupiter");

printf("\nENTER YOUR ANSWER:");

scanf("%d",&f);

if(f==4)

{

printf("\n CORRECT ANSWER");

k++;

}

else

printf("\n WRONG ANSWER");

getch();

clrscr();

printf("\nQ5.One people,one state,one leader was the policy of?\n1.stalin\n2.levin\n3.hitler\n4.mussolin");

printf("\nENTER YOUR ANSWER:");

scanf("%d",&e);

if(e==5)

{

printf("\n CORRECT ANSWER");

k++;

}

else

printf("\n WRONG ANSWER");

getch();

clrscr();

printf("\n\n YOUR SCORE IS:%d",k);

printf("\n\n\t press(1) to go to main menu or press any other key to exit:");

scanf("%d",&z);

if(z==1)

main\_menu();

else

exit(0);

}

void computers()

{ int a,b,c,e,f,k=0,z;

printf("\nQ1.World's first microprocessor is?\n1. Alpha 21064\n2. Intel 8008\n3. Intel 4004\n4. CVAX");

printf("\nENTER YOUR ANSWER:");

scanf("%d",&a);

if(a==3)

{

printf("\n CORRECT ANSWER");

k++;

}

else

printf("\n WRONG ANSWER");

printf("\n\nQ2.Which one is the first fully supported 64-bit operating system?\n1. Windows Vista\n2. Mac\n3. Linux\n4. Windows XP");

printf("\nENTER YOUR ANSWER:");

scanf("%d",&b);

if(b==3)

{

printf("\n CORRECT ANSWER");

k++;

}

else

printf("\n WRONG ANSWER");

getch();

clrscr();

printf("\n\nQ3.Computer Hard Disk was first introduced in 1956 by.........\n1. Dell\n2. Apple\n3. Microsoft\n4. IBM");

printf("\nENTER YOUR ANSWER:");

scanf("%d",&c);

if(c==3)

{

printf("\n CORRECT ANSWER");

k++;

}

else

printf("\n WRONG ANSWER");

printf("\n\nQ4.Which computer program converts assembly language to machine language?\n1. Interpreter\n2. Compiler\n3. Assembler\n4. Comparator");

printf("\nENTER YOUR ANSWER:");

scanf("%d",&f);

if(f==3)

{

printf("\n CORRECT ANSWER");

k++;

}

else

printf("\n WRONG ANSWER");

getch();

clrscr();

printf("\n\nQ5.find out the odd one: \n1. Internet\n2. Linux\n3. Unix\n4. Windows");

printf("\ENTER YOUR ANSWER:");

scanf("%d",&e);

if(e==1)

{

printf("\n CORRECT ANSWER");

k++;

}

else

printf("\n WRONG ANSWER");

printf("\n\n YOUR ANSWER IS:%d",k);

getch();

clrscr();

printf("\n\n\n\n\t\t\t YOUR SCORE IS:%d",k);

printf("\n\n\t press (1) to go main menu & any other key to exit:");

scanf("%d",&z);

if(z==1)

main\_menu();

else

exit(0);

}

void mathematics()

{

int a,b,c,e,f,k=0,z;

printf("\nQ1.Which of these square numbers also happens to be the sum of two smaller square numbers?\n1. 16\n2. 36\n3. 25\n4. 49");

printf("\nENTER YOUR ANSWER:");

scanf("%d",&a);

if(a==3)

{

printf("\n CORRECT ANSWER");

k++;

}

else

printf("\n WRONG ANSWER");

printf("\n\nQ2.When multiplied by itself,which number is equal to 12,345,678,987,654,321?\n1. 1,111,111\n2. 111,111,111\n3. 11,111,111,111\n4. 111,111,111,111 ");

printf("\nENTER YOUR ANSWER:");

scanf("%d",&b);

if(b==2)

{

printf("\n CORRECT ANSWER");

k++;

}

else

printf("\n WRONG ANSWER");

getch();

clrscr();

printf("\nQ3.The number of 3-digit numbers divisible by 6,is..........\n1. 149\n2. 166\n3. 150\n4. 151");

printf("\ENTER YOUR ANSWER:");

scanf("%d",&c);

if(c==3 )

{

printf("\n CORRECT ANSWER");

k++;

}

else

printf("\n WRONG ANSWER");

printf("\n\nQ4.A clock strikes once at 1 o'clock, twice at 2 o'clock, trice at 3 o'clock and so on. How many times, it will strike in 24 hours ?\n1. 78\n2. 136\n3. 156\n4. 196 ");

printf("\ENTER YOUR ANSWER:");

scanf("%d",&f);

if(f==3)

{

printf("\n CORRECT ANSWER");

k++;

}

else

printf("\n WRONG ANSWER");

getch();

clrscr();

printf("\nQ5.Which of the following number gives 240 when added to its own square?\n1. 15\n2. 16\n3. 18\n4. 20");

printf("\nENTER YOUR ANSWER:");

scanf("%d",&e);

if(e==1)

{

printf("\n CORRECT ANSWER");

k++;

}

else

printf("\n WRONG ANSWER");

clrscr();

printf("\n\n YOUR SCORE IS:%d",k);

printf("\n\npress(1) to go to main menu or press any other key to exit:");

scanf("%d",&z);

if(z==1)

main\_menu();

else

exit(0);

}

void main()

{

int m;

clrscr();

printf("\n\n\n\t\tMODY UNIVERSITY OF SCIENCE AND TECHNOLOGY");

printf("\n\t\t SCHOOL OF ENGINEERING AND TECHNOLOGY");

printf("\n\n\n\n\t\t\tPROJECT BASED LEARNING");

printf("\n\n\n\t\t\t\tQUIZ");

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

printf("\n\n\n\nSUBMITTED TO -DR ANAND SHARMA\t\t\tSUBMITTED BY-NIDHI CHOUDHARY\n\t\t\t\t\t\t\t AKSHITA KANTHER\n\t\t\t\t\t\t\t\ HIRAL JAIN\n\t\t\t\t\t\t\t YUKTI GOYAL\n\t\t\t\t\t\t\t SIMRAN JAIN");

printf("\n\t\t\tpress (1) to continue:");

scanf("%d",&m);

if(m==1)

clrscr();

else

exit(0);

instructions();

main\_menu();

getch();}

**REFERENCE:**

Let us c –Yashavant Kanetkar

Programming in ansi C– E Balagurusamy

The complete reference C – Herbert Schildt