# MINI PROJECT

# Title of the project:- "QUIZ GAME"

MECHATRONICS W/S ROBOTICS ENGENEERING.

Submitted by <u>**GROUP 10**</u>

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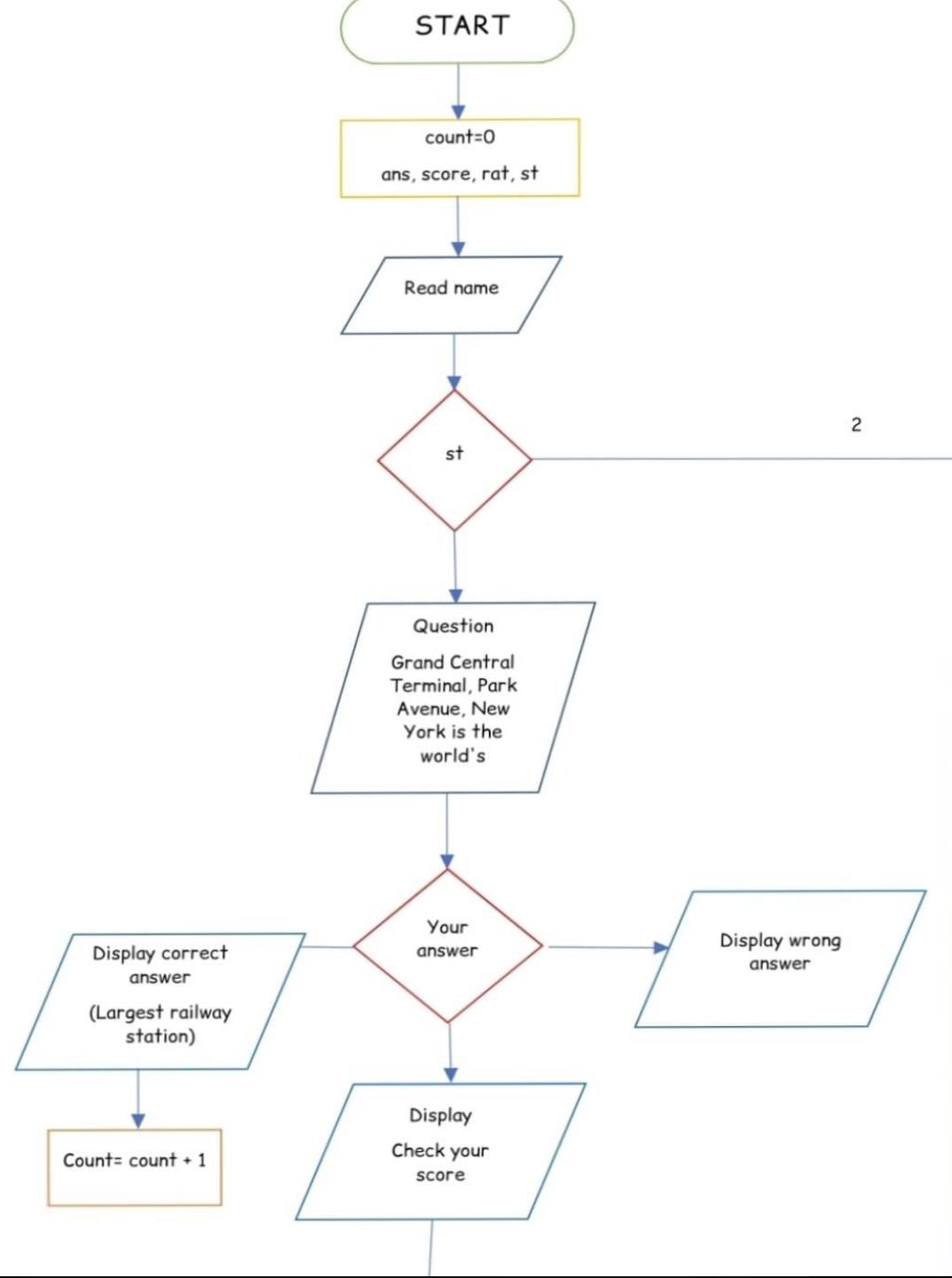
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# QUIZ GAME

A Quiz Game in C is an easy project for beginners to learn how to build a web-based C language project.This game is specially designed for the purpose of playing Quiz contest.In this game number of questions are asked.The question in the contest is asked in such a way that it covers all the fields of contests.It has multiple choice questions and it also calculates scores of each correct answer.
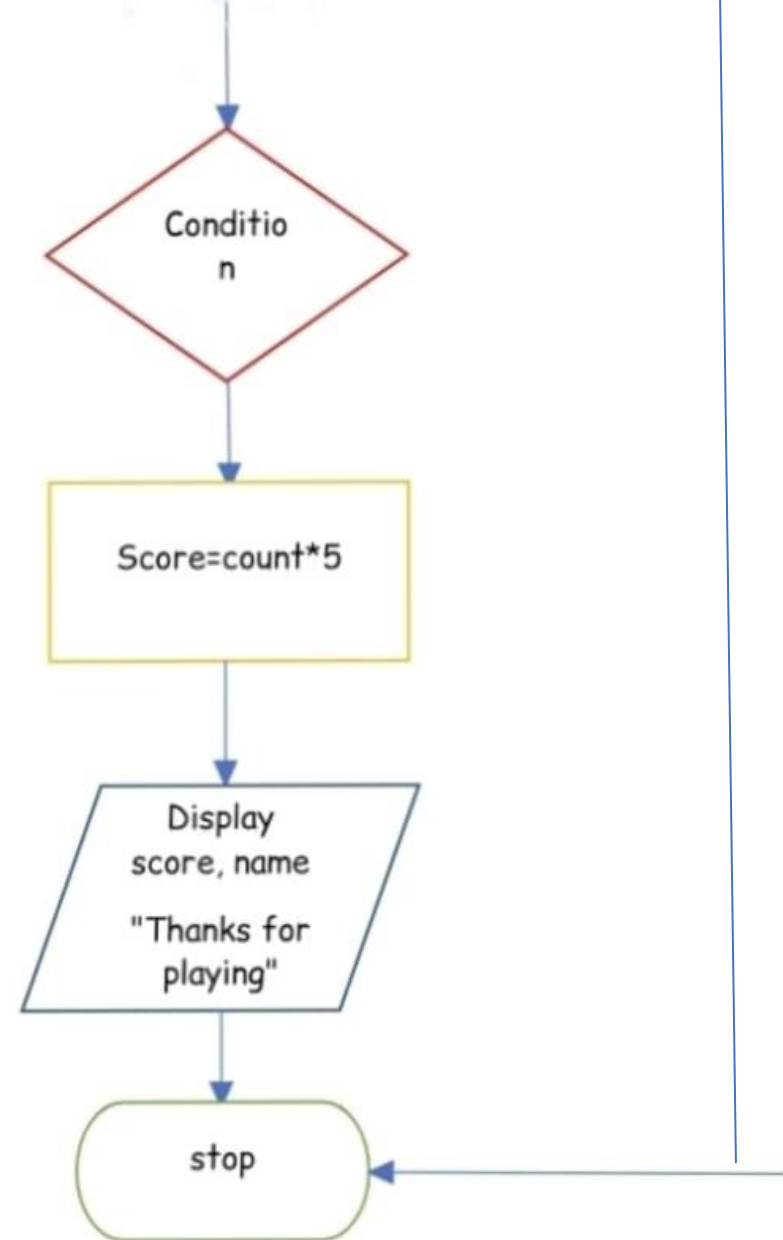
# INTRODUCTION

This gives you a summary of our work on the project

"The Quiz Game" by group 10 in the course of C programming language. In this project we want to create a game, which is fun to play and the player can gain knowledge.

This Quiz game is a entertainment in which the general or specific knowledge of the players is tested by a series of questions,as like as radio or television program now as a mobile game.A quiz is a game which can also be called a mind sport where in the players,either as individuals or in teams attempt to answer the questions.

# FLOW CHART

# FLOW CHART

# SYSTEM DESIGN

## ALGORITHM

Step 1:   Start

Step 2:   Enter player name

Step 3:   Enter 1(yes) to start the game

Step 4:   Read the question

Step 5:   Choose an answer from the given options and enter the
           respective  number.

Step 6:   Check whether the answer is right or wrong

Step 7:   Repeat the process for all the 20 questions

Step 8:   Check the score and the rating at the end.

# SYSTEM IMPLEMENTATION

```c
#include <stdio.h>

int main()
{
    int count=0,ans,score,rat,st;
    char name[20];
    printf("enter your player name \n");
 gets(name);
    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("shall we start the quiz???\n");
        printf("enter \t1==> yes \t2==> no\n");
        scanf("%d",&st);
        if(st ==1){
         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");
```

```c
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");
    }
```

```c
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;
}
```

```c
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");
}
```

```c
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
```

```c
{
    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;

}
```

```c
{
    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");
```

```c
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)
```

```c
    {
        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;

}
```

```c
else
    {
        printf("Wrong answer! Correct answer is  1. 119 \n\n");
    }
if(count > 0)
{
        printf("Thanks for playing,  Your scored: %d points \t",

        count*5);


        score=count*5;


        if(score >= 80)

        {

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

            rat=5;

        }
        else if(score >= 60 && score < 80)

        {

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

            rat=4;

        }
        else if(score >= 40 && score < 60)
```

```c
{
            printf("\nRating: * * *");
          rat=3;
        }
        else if(score >= 20 && score < 40)
        {
            printf("\nRating: * *");
            rat=2;
        }
        else if(score < 20)
        {
            printf("\nRating: *");
             rat=1;
        }

            printf("\n %s \t %d ",name,score);
    }
    else
    {
       printf('Try again!");
    }

  }
  else{
    printf("quit game\n");
  }
  return 0;
}
```

RESULTS

Sample input and output:

Q(4).Garampani Sanctuary is located at
1.Junagarh, Gujarat     2.Diphu, Assam
3.Kohima, Nagaland      4.Gangtok, Sikkim

Your answer: 2
Correct! +5 points

Q(5).For which of the following disciplines is Nobel Prize awarded?
1.Physics and Chemistry 2.Physiology or Medicine
3.Literature, Peace and Economics      4.All of the above

Your answer: 4
Correct! +5 points

Q(6).Hitler party which came into power in 1933 is known as
1.Labour Party  2.Nazi Party
3.Ku-Klux-Klan  4.Democratic Party

Your answer: 2
Correct! +5 points

Q(7). FFC stands for
1.Foreign Finance Corporation   2.Film Finance Corporation
3.Federation of Football Council       4.None of the above

Your answer: 2
Correct! +5 points

Q(8). Fastest shorthand writer was
1.Dr. G. D. Bist        2. J.R.D. Tata
3. J.M. Tagore  4. Khudada Khan

Your answer: 1
Correct! +5 points

Q(9). Epsom (England) is the place associated with
1.Horse racing  2.Polo
3.Shooting      4.Snooker

```
Your answer: 1
Correct! +5 points

Q(11). Frames from one LAN can be transmitted to another LAN via the device
1. Router        2. Bridge
3. Repeater      4. Modem

Your answer: 2
Correct! +5 points

Q(12). Which of the following condition is used to transmit two packets over a medium at the same time?
1. Contention   2.  Collision
3.   Synchronous       D. Asynchronous

Your answer: 2
Correct! +5 points

Q(13). What are the most commonly used transmission speeds in BPS used in data communication?
1.   300         2. 1200
3.   2400        4. 9600
Your answer: 4
Correct! +5 points

Q(14).  Which of the following is used for modulation and demodulation?
1. modem        2. protocols
3. gateway      4. multiplexer
Your answer: 1
Correct! +5 points

Q(15). Contention is
1. One or more conductors that serve as a common connection for a related group of devices
2.   a continuous frequency capable of being modulated or impressed with a second signal
3.  the condition when two or more stations attempt to use the same channel at the same time
4.   a collection of interconnected functional units that provides a data communications service among stations attached to the network
Your answer: 3
Correct! +5 points
```

```
Q(16). When you ping the loopback address, a packet is sent where?
1. On the network
2. Down through the layers of the IP architecture and then up the layers again
3. Across the wire
4. through the loopback dongle
Your answer: 2
Correct! +5 points


Q(17). Which of the following TCP/IP protocol is used for transferring electronic mail messages from one machine to another?
1. FTP  2.     SNMP
3. SMTP 4. RPC
Your answer: 3
Correct! +5 points


Q(18). Which of the following device is used to connect two systems, especially if the systems use different protocols?
1. hub  2. bridge
3. gateway      4. repeater
Your answer: 3
Correct! +5 points


Q(19). The slowest transmission speeds are those of
1. twisted-pair wire    2. coaxial cable
3. fiber-optic cable    4.   microwaves
Your answer: 1
Correct! +5 points


Q(20). What is the port number for NNTP?
1. 119  2. 80
3. 79   4. 70
Your answer: 1
Correct! +5 points


Thanks for playing, Your scored: 100 points
Rating: * * * * *
 sowmya          100
Process returned 0 (0x0)   execution time : 383.066 s
```