



## **COMPUTER ASSINGMENT 3**

**DEVENDRA GUPTA (AY1)**

This is made by DEVENDRA GUPTA.

Ths is submitted to miss. Gurpreet mam.

In this PDF, all program made in semester 4 is available.

# COMPUTER ASSINGMENT 3

## DEVENDRA GUPTA

```
#include<stdio.h>

#include<tension.h>

void main()

{
    mind = confused:
    while(study!=done)
    {
        paper=back;

        Parents=scold++
    }

    If(exam==pass)
    {
        Tension free;
    }

    else
    {
        Game over;
    }
}
```

### DETAILS:

Class : AY1

Roll no.20

Subject: COMPUTER

(CS) semester 1

Facality: Miss .

Gurpreet mam

DATE : 05|12|2023

(TUESDAY)

LANGUAGE : C

NO. OF CODES: 185

University Roll no. - 2315000726

# PROJECT OR ASSINGMENT OF SEMESTER 1

## 1. WRITE A PROGRAM OF VOTING MACHINE?

```
#include<stdio.h>

#include<conio.h>

int win_by_vote;

int BJP=0;int BSP=0;int INC=0;int ADP=0; int others=0;

void vote();

void result();

void details();

void vote()
{
    int VOTE;

    printf("\npress 1 for vote for BJP\n");

    printf("press 2 for vote for ADP\n");

    printf("press 3 for vote for BSP\n");

    printf("press 4 for vote for INC\n");

    printf("press 5 for vote for OTHERS\n");

    scanf("%d",&VOTE);

    printf("\n");

    switch(VOTE)
    {
        case 1:
            {
                BJP+=1;

                break;
            }

        case 2:
            {
                ADP+=1;

                break;
            }
    }
```

```

case 3:
    {
        BSP+=1;

        break;
    }

case 4:
    {
        INC+=1;

        break;
    }

case 5:
    {
        others+=1;

        break;
    }

default:
    {
        printf("invalid\n");
    }
}

void result()
{

    if(BJP>INC&&BJP>ADP&&BJP>BSP)
    {

        printf("**** BJP WON THE ELECTION ***\n");
        printf("total vote of BJP: %d\n",BJP);
        win_by_vote=BJP-INC;
        printf("BJP won by %d VOTE by INC\n",win_by_vote);
        win_by_vote=BJP-BSP;
        printf("BJP won by %d VOTE by BSP\n",win_by_vote);
    }
}

```

```

        win_by_vote=BJP-ADP;

        printf("BJP won by %d VOTE by ADP\n",win_by_vote);

        win_by_vote=BJP-others;

        printf("BJP won by %d VOTE by OTHERS\n",win_by_vote);
    }

    else if(INC>BSP&&INC>ADP&&INC>others)
    {

        printf("*** INC WON THE ELECTION ***\n");

        printf("total vote of BJP : %d\n",BJP);

        win_by_vote=INC-BJP;

        printf("INC won by %d VOTE by BJP\n",win_by_vote);

        win_by_vote=INC-BSP;

        printf("INC won by %d VOTE by BSP\n",win_by_vote);

        win_by_vote=INC-ADP;

        printf("INC won by %d VOTE by ADP\n",win_by_vote);

        win_by_vote=INC-others;

        printf("INC won by %d VOTE by OTHERS\n",win_by_vote);
    }

    else if(BSP>ADP&&BSP>others)
    {

        printf("*** BSP WON THE ELECTION ***\n");

        printf("total vote of BSP : %d\n",BSP);

        win_by_vote=BSP-BJP;

        printf("BSP won by %d VOTE by BJP\n",win_by_vote);

        win_by_vote=BSP-INC;

        printf("BSP won by %d VOTE by INC\n",win_by_vote);

        win_by_vote=BSP-ADP;

        printf("BSP won by %d VOTE by ADP\n",win_by_vote);

        win_by_vote=BSP-others;

        printf("BSP won by %d VOTE by OTHERS\n",win_by_vote);
    }

```

```

else if(ADP>others)

{

    printf("**** ADP WON THE ELECTION ****\n");

    printf("total vote of ADP : %d\n",ADP);

    win_by_vote=ADP-BJP;

    printf("ADP won by %d VOTE by BJP\n",win_by_vote);

    win_by_vote=ADP-INC;

    printf("ADP won by %d VOTE by INC\n",win_by_vote);

    win_by_vote=ADP-BSP;

    printf("ADP won by %d VOTE by BSP\n",win_by_vote);

    win_by_vote=ADP-others;

    printf("ADP won by %d VOTE by OTHERS\n",win_by_vote);

}

else if(BJP==INC&&BJP==ADP&&BJP==BSP&&BJP==others)

{

    printf("****NO PARTY WON THE ELECTION ****");

}

else

{

    printf("**** OTHERS WON THE ELECTION ****\n");

    printf("total vote of OTHERS: %d\n",others);

    win_by_vote=others-BJP;

    printf("OTHERS won by %d VOTE by BJP\n",win_by_vote);

    win_by_vote=others-INC;

    printf("OTHERS won by %d VOTE by INC\n",win_by_vote);

    win_by_vote=others-BSP;

    printf("OTHERS won by %d VOTE by BSP\n",win_by_vote);

    win_by_vote=others-ADP;

    printf("OTHERS won by %d VOTE by ADP\n",win_by_vote);

}

```

```

    }

void details()
{
    int i,age;

    int n=6;

    char gender[10];

    printf("Enter Gender: ");

    scanf("%s",&gender);

    if(gender[0]=='m'||gender[0]=='M')
    {
        printf("\nMr.");

        char name[50];

        scanf("%s",&name);

    }

    else if(gender[0]=='f'||gender[0]=='F')
    {
        printf("\nMiss.");

        char name[50];

        scanf("%s",&name);

    }

    else
    {
        printf("\nInvalid");

    }

    printf("\nEnter Age: ");

    scanf("%d",&age);
}

int main()
{
    int n=1;

    printf("    ***WELCOME TO THE VOTING ELECTION***\n");

```

```
        details();

        vote();

        while(n<11)
        {

                int choice;

                printf(" IF YOU WANTED TO VOTE MORE PRESS '0'");

                printf(" OR WANTED TO KNOW RESULT PRESS '1'\n");

                scanf("%d",&choice);

                printf("\n");

                if(choice==1)
                {

                        result();

                        break;

                }

                else

                {

                        details();

                        vote();

                }

                n++;

        }

        return 0;

}
```



```
C:\Users\ASUS\Desktop\C PROGRAM FILE\COMPLETE VOTING PROJECT.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help

***WELCOME TO THE VOTING ELECTION***
Enter Gender: MALE
MR.DILIP
Enter Age: 20
press 1 for vote for BJP
press 2 for vote for ADP
press 3 for vote for BSP
press 4 for vote for INC
press 5 for vote for OTHERS
1

IF YOU WANTED TO VOTE MORE PRESS '0' OR WANTED TO KNOW RESULT PRESS '1'
1

*** BJP WON THE ELECTION ***
total vote of BJP: 1
BJP won by 1 VOTE by INC
BJP won by 1 VOTE by BSP
BJP won by 1 VOTE by ADP
BJP won by 1 VOTE by OTHERS

-----
Process exited after 14.81 seconds with return value 0
Press any key to continue . . . |

Compiler
Abort Compilation
Shorten compiler paths
- Warnings: 0
- Output Filename: C:\Users\ASUS\Desktop\C PROGRAM FILE\COMPLETE VOTING PROJECT.exe
- Output Size: 132.662109375 KiB
- Compilation Time: 0.27s

Line: 139 Col: 26 Sel: 0 Lines: 184 Length: 4218 Insert Done parsing in 0.016 seconds
```

## QUES 2:WRITE A CODE TIME DILATION QUIZ?

```
#include <stdio.h>

#include <stdlib.h>

#include <time.h>

void askQuestion(int questionNumber, const char *question, const char *options[])

{

    printf("Question %d: %s\n", questionNumber, question);

    for (int i = 0; i < 4; ++i)

    {

        printf("%c %s\n", 'A' + i, options[i]);

    }

    printf("Your answer (A/B/C/D): ");

}

int main()

{

    srand(time(NULL));

    const char *questions[] = {

        "What is the capital of France?",
```

```

    "Which planet is known as the Red Planet?",

    "What is the largest mammal on Earth?",

    "What is the capital of Uganda?",

    "Where is the tallest statue in the world?",

    "What is the square of 25?"

};

const char *options[][4] = {

    {"Paris", "Berlin", "Rome", "Madrid"},

    {"Mars", "Jupiter", "Saturn", "Venus"},

    {"Elephant", "Blue Whale", "Giraffe", "Hippopotamus"},

    {"Paris", "Berlin", "Dubai", "Kampala"},

    {"France", "China", "India", "Japan"},

    {"1255", "625", "225", "234"}

};

    const char answers[] = {'A', 'A', 'B', 'D', 'C', 'B'};

time_t startTime, currentTime;

int score = 0;

char name[50];

printf("Welcome to the Quiz! You have 30 seconds to answer all the questions.\n");

printf("\n\n Enter your name:- ");

scanf("%s", &name);

time(&startTime);

for (int i = 0; i < 6; ++i)

    {

        askQuestion(i + 1, questions[i], options[i]);

        char userAnswer;

        scanf(" %c", &userAnswer);

```

```

if (userAnswer == answers[i])
{
    printf("Correct!\n");

    score++;
}

else
{
    printf("Incorrect!\n");
}

time(&currentTime);

if (difftime(currentTime, startTime) >= 30)
{
    printf("Time's up! Quiz over.\n");

    break;
}

printf("Your final score: %d out of 5\n", score);}

```

The screenshot shows a Dev-C++ IDE window titled "C:\Users\ASUS\Desktop\C PROGRAM FILE\DE QUIZ.cpp - [Executing] - Dev-C++ 5.11". The main window displays the output of the quiz program. The program starts with a welcome message: "Welcome to the Quiz! You have 30 seconds to answer all the questions." The user enters their name as "DILIP". The program then asks four questions, each with four multiple-choice options. The user provides the correct answer for each question, and the program displays "Correct!" for each. The final output shows the user's final score: "Your final score: 4 out of 5".

```

C:\Users\ASUS\Desktop\C PROGRAM FILE\DE QUIZ.cpp - [Executing] - Dev-C++ 5.11
Welcome to the Quiz! You have 30 seconds to answer all the questions.
Enter your name:- DILIP
Question 1: What is the capital of France?
A Paris
B Berlin
C Rome
D Madrid
Your answer (A/B/C/D): A
Correct!
Question 2: Which planet is known as the Red Planet?
A Mars
B Jupiter
C Saturn
D Venus
Your answer (A/B/C/D): A
Correct!
Question 3: What is the largest mammal on Earth?
A Elephant
B Blue Whale
C Giraffe
D Hippopotamus
Your answer (A/B/C/D): B
Correct!
Question 4: What is the capital of Uganda?
A Paris
B Berlin
C Dubai
D Kampala
Your final score: 4 out of 5

```

The bottom of the screenshot shows the Dev-C++ IDE interface, including the Compiler, Resources, Compile Log, Debug, Find Results, and Close tabs. The Compile Log shows the following information:

```

- Warnings: 0
- Output Filename: C:\Users\ASUS\Desktop\C PROGRAM FILE\DE QUIZ.exe
- Output Size: 133.181640625 KiB
- Compilation Time: 0.45s

```

The status bar at the bottom indicates the current line is 1, column is 1, and the file is 81 lines long. The system tray shows the time as 6:34 AM on 12/7/2023.

```
C:\Users\ASUS\Desktop\C PROGRAM FILE\DE QUIZ.cpp - [Executing] - Dev-C++ 5.11
C Giraffe
D Hippopotamus
Your answer (A/B/C/D): B
Correct!
Question 4: What is the capital of Uganda?
A Paris
B Berlin
C Dubai
D Kampala
Your answer (A/B/C/D): D
Correct!
Question 5: Where is the tallest statue in the world?
A France
B China
C India
D Japan
Your answer (A/B/C/D): C
Correct!
Question 6: What is the square of 25?
A 1255
B 625
C 225
D 234
Your answer (A/B/C/D): A
Incorrect!
Your final score: 5 out of 5

-----
Process exited after 19.11 seconds with return value 0
Press any key to continue . . .

Compiler | Resources | Compile Log | Debug | Find Results | Close
- Warnings: 0
- Output Filename: C:\Users\ASUS\Desktop\C PROGRAM FILE\DE QUIZ.exe
- Output Size: 133.181640625 KiB
- Compilation Time: 0.45s
Shorten compiler paths

Line: 1 Col: 1 Sel: 0 Lines: 81 Length: 1978 Insert Done parsing in 0.156 seconds
```

THANKS !!!





