C PROGRAMMING

Name: Shivam kumar

SECTION: AL 2

UNI ROLL NO. : 2315002068

CLASS ROLL NO. : 55

PROJECT 1 : VOTING SYSTEM

#include <stdio.h>

int main() {

int age, i;

char name[50];

int BJPVotes = 0, SPVotes = 0;

for (i = 0; i < 10; ++i) {

printf("Enter your age: ");

scanf("%d", &age);

if (age < 18) {

printf("Sorry, you are not eligible to vote.\n");

} else {

printf("Enter your name: ");

scanf("%s", name);

printf("Hello, %s Please vote for a Fav:\n", name);

printf("1. BJP\n");

printf("2. SP\n");

int vote;

printf("Enter your choice (1 or 2): ");

scanf("%d", &vote);

if (vote == 1) {

BJPVotes++;

printf("Vote for BJP recorded!\n");

} else if (vote == 2) {

SPVotes++;

printf("Vote for SP recorded!\n");

} else {

printf("Invalid Number.\n");

}

}

}

if (BJPVotes > SPVotes) {

printf("BJP is the winner with %d votes!\n", BJPVotes);

} else{

printf("SP is the winner with %d votes!\n", SPVotes);

}

return 0;

}

PROJECT 2 : QUIZZ

#include <stdio.h>

#include <string.h>

#include <time.h>

void wait(int seconds) {

clock\_t endwait;

endwait = clock() + seconds \* CLOCKS\_PER\_SEC;

while (clock() < endwait) {}

}

int main() {

char name[10];

int correctAns = 0;

printf("Enter your name: ");

scanf("%s", name);

printf("\nHello %s, your quiz is now starting at GLA.\n\n", name);

printf("Ques1: When did c language invented?\n");

printf("a)1972\nb)1975\nc)2003\nd)1999\n");

char ans1;

time\_t start1 = time(NULL); // Get the current time for question 1

scanf(" %c", &ans1);

if (ans1 == 'a' && difftime(time(NULL), start1) <= 60) {

correctAns++;

}

printf("Que2: What is the capital of Uttar Pradesh?\n");

printf("a) Agra\nb) Noida\nc) Lucknow\nd) Jhansi\n");

char ans2;

time\_t start2 = time(NULL); // Get the current time for question 2

scanf(" %c", &ans2);

if (ans2 == 'c' && difftime(time(NULL), start2) <= 60) {

correctAns++;

}

// Question 3

printf("Ques3: How many districts are in Uttar Pradesh?\n");

printf("a) 75\nb) 76\nc) 74\nd) 72\n");

char ans3;

time\_t start3 = time(NULL); // Get the current time for question 3

scanf(" %c", &ans3);

if (ans3 == 'a' && difftime(time(NULL), start3) <= 60) {

correctAns++;

}

// Question 4

printf("Que4: What is the square of 9?\n");

printf("a) 72\nb) 81\nc) 64\nd) 100\n");

char ans4;

time\_t start4 = time(NULL); // Get the current time for question 4

scanf(" %c", &ans4);

if (ans4 == 'b' && difftime(time(NULL), start4) <= 60) {

correctAns++;

}

// Question 5

printf("Que5: Who is the president of India?\n");

printf("a) Narendra Modi\nb) Droupadi Murmu\nc) Pranab Mukherjee\nd) Manmohan Singh\n");

char ans5;

time\_t start5 = time(NULL); // Get the current time for question 5

scanf(" %c", &ans5);

if (ans5 == 'c' && difftime(time(NULL), start5) <= 60) {

correctAns++;

}

printf("\n%s, you got %d out of 5 questions correct!\n", name, correctAns);

return 0;

}