



M.KUMARASAMY
COLLEGE OF ENGINEERING
NAAC Accredited Autonomous Institution
Approved by AICTE & Affiliated to Anna University
ISO 9001:2015 & ISO 14001:2015 Certified Institution
Thalavapalayam, Karur – 639 113.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

STUDENT DATABASE

Submitted by

KARTHICK C (927621BEC072)

KEERTHI P (927621BEC085)

ELAKKIYAA B (927621BEC051)

Elite Training Project 2 Report

C Programming

Submission Date: 29/04/2023

Signature of Staff Incharge

Signature of HOD

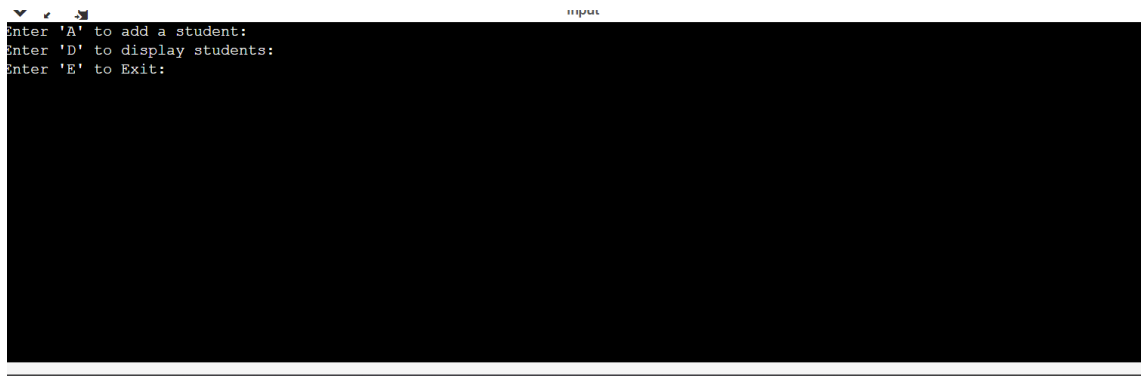
Signature of Elite Training Coordinator
Dr.D.Pradeep, ASP/CSE

SUMMARY

A database is collection of data that is specially organized for rapid search and retrieval by a computer. The data are interrelated so that a user can easily call up all the information that meets specific criteria.

Here we have created a student database management system. It helps to store and maintain records of student details. Stored data can be accessed at any time. It includes name, age, register number and Grade Point Average of the student.

Screen Shots



```
Enter 'A' to add a student:
Enter 'D' to display students:
Enter 'E' to Exit:
```

Home page output



```
Enter 'A' to add a student:
Enter 'D' to display students:
Enter 'E' to Exit:
A
No of stud: 0
Enter Student Name: AKIL
Enter Student Age: 18
Enter GPA: 7.77
Enter Student ID: 123

Enter 'A' to add a student:
Enter 'D' to display students:
Enter 'E' to Exit:
A
```

Data of a student has been added successfully.

```
Enter 'A' to add a student:  
Enter 'D' to display students:  
Enter 'E' to Exit:  
D
```

```
Student number:1  
Student Name: AKIL  
Student Age:18  
Student GPA:7.8  
Student ID:123
```

```
Student number:2  
Student Name: ANBU  
Student Age:18  
Student GPA:9.0  
Student ID:456
```

```
Student number:3  
Student Name: SURYA  
Student Age:19  
Student GPA:7.2  
Student ID:789
```

Recorded datas of students are displayed.

```
Student Age:18  
Student GPA:7.8  
Student ID:123
```

```
Student number:2  
Student Name: ANBU  
Student Age:18  
Student GPA:9.0  
Student ID:456
```

```
Student number:3  
Student Name: SURYA  
Student Age:19  
Student GPA:7.2  
Student ID:789
```

```
Enter 'A' to add a student:  
Enter 'D' to display students:  
Enter 'E' to Exit:  
E  
Goodbye!
```

Code has been exited.

SOURCE CODE:

```
#include <stdio.h>
#include <stdlib.h>
#define SIZE 100
void add_Student();
void display();
int c=0;

struct student{
char name[50];
int age;
float gpa;
int student_ID;
};struct student stud[SIZE];

int main() {

char choice;

while(1) {
printf("Enter 'A' to add a student:\nEnter 'D' to display students:\nEnter 'E' to Exit:\n");
scanf(" %c", &choice);

switch(choice) {
case 'A':
add_Student();
break;
case 'D':
display();
break;
case 'E':
printf("Goodbye!\n");
exit(0);
default:
printf("Invalid choice. Please try again.\n");
}
}
}

void add_Student(){
int i=0;
printf("No of stud: ");
scanf("%d",&i);
printf("Enter Student Name: ");
```

```
scanf("%s",stud[i].name);
printf("Enter Student Age: ");
scanf("%d",&stud[i].age);
printf("Enter GPA: ");
scanf("%f",&stud[i].gpa);
printf("Enter Student ID: ");
scanf("%d",&stud[i].student_ID);
printf("\n\n");
i++;
c++;
}
void display(){
int i;
for(i=1;i<=c;i++){
printf("\n\nStudent number:%d",i);
printf("\nStudent Name: %s \nStudent Age:%d \nStudent GPA:%.1f \nStudent ID:%d
\n\n",stud[i-1].name,stud[i-1].age,stud[i-1].gpa,stud[i-1].student_ID);
}
}
```