LAB ASSIGNMENT 17

```
Enter year of joining: 2021

Enter details of student 3:
Enter name: Subi K

Enter roll number: 29

Enter name of department: CSE

Enter name of course: Python

Enter CGPA obtained: 9

Enter year of joining: 2021

Choose an option:
1.Display details of a particular student.
2.Display top 5 students based on CGPA obtained.
3.List out student names for a particular department.

Your option is: 3

Enter department name: AI & DS
Samuela Abigail
Merlin Might


...Program finished with exit code 0
Press ENTER to exit console.
```

1)

Samuela Abigail
71762108039

```
Enter roll number: 45

Enter name of department: CSE

Enter name of course: Python

Enter CGPA obtained: 9.6

Enter year of joining: 2021

Choose an option:
1.Display details of a particular student.
2.Display top 5 students based on CGPA obtained.
3.List out student names for a particular department.

Your option is: 1

Enter roll number of student: 39

The details of the student are:
Name: Sam Abi
Roll number: 39
Department: AI & DS
Course: C Programming
CGPA: 9.800000
Year joined: 2021

...Program finished with exit code 0
Press ENTER to exit console.
```

Samuela Abigail
71762108039

```
134    switch(option){
135        case 1:
136            display_details(n, stud);
137            break;
```

Enter name of course: efw

Enter CGPA obtained: 7.98

Enter year of joining: 32

Choose an option:
1.Display details of a particular student.
2.Display top 5 students based on CGPA obtained.
3.List out student names for a particular depart

Your option is: 2

Top 5 students are:
Rank: 1 CGPA: 10.000000 Name: sam
Rank: 2 CGPA: 9.876000 Name: stel
Rank: 3 CGPA: 9.800000 Name: har
Rank: 4 CGPA: 9.600000 Name: mer
Rank: 5 CGPA: 7.980000 Name: dan

...Program finished with exit code 0
Press ENTER to exit console.

Samuela Abigail
71762108039

2)


```
15    printf("Choose your destination: ");
16    printf("\nDestination\t\tDistance\tTrip duration\tVisting tim
17    printf("\n1.Mini Taj\t\t7km\t\t20min\t\t30min");
18    printf("\n2.Daulatabad Fort\t12km\t\t40min\t\t90min");
```

```
Choose your destination:
Destination                 Distance        Trip duration   Visting time
1.Mini Taj                  7km             20min           30min
2.Daulatabad Fort           12km            40min           90min
3.Ghrishneshwar Temple      18km            60min           20min
4.Ellora Caves              25km            90min           180min

Your choice is: 4

Enter number of travellers: 5

Enter name of vehicle you want to use from given options:
Micro    Mini     Sedan    Bus
Sedan

Your total fare from Aurangabad to selected destination is Rs1875
Your vehicle is Sedan and the number of travellers is 5
Average time taken for entire journey (to and back) is 360 minutes

...Program finished with exit code 0
Press ENTER to exit console.
```

Samuela Abigail
71762108039