

C-Program:-

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CSA 02 08

- ① Write a program to find the product of array elements except the current element with using division.

Sample Input:

Enter number of elements: 4
" elements: 1 2 3 4

Sample Output:

Product array: 24 12 8 6

$$\frac{24}{4} = 6$$

- ② Develop a student enrollement system for a university.

Define structures for student, course, and Enrollement, write a program to enroll students, in course, view course enrollements, and manage student enrollements.

Sample Input / Output:

Menu

1. Enroll student in Course
2. View course Enrollements.
3. Manage student Enrollements

Enter your choice #: 1

Enter student ID: 1001

Enter course ID: CS101

student enrolled in course successfully!

- ③ Design a flight reservation system. Define structures for flight, Passenger, Reservation, and Airport. write a program to book flights, manage passenger reservations and display flight information.

Sample I/O's

Menu:-

1. Book flights
2. Manage Reservations
3. Display Flight information

Enter your choice 1

Enter passenger name: Alice

Enter flight number: ABC123

Enter departure city: New York

Enter destination city: Los Angeles.

Enter date of travel: 20-07-2024.

Flight booked successfully!

Menu:-

1. Book flight
2. Manage Reservations
3. Display Flight information.

Enter your choice: 2

Passenger Reservations:-

Flight Number: ABC123, Departure: New York, Destination: Los Angeles, Date: 20-07-2024

Menu:-

1. Book flight
2. Manage Reservations
3. Display Flight Information

Enter your choice: 3

Enter flight number: ABC123

Flight Information:

Departure: New York, Destination: Los Angeles

④ write a program to find the maximum element in an array.

Sample Input:

Enter no. of elements: 5

Enter elements: 2 8 1 4 6

Sample Output:

Maximum element: 8.

Answers:

④

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int n, i;
```

```
    int max;
```

```
    printf("enter the no. of element in the array: ");
```

```
    scanf("%d", &n);
```

```
    int arr[n];
```

```
    printf("enter %d element: \n", n);
```

```
    for (i = 0; i < n; i++)
```

```
    { scanf("%d", &arr[i]);
```

```
    }
```

```
    max = arr[0];
```

```
    for (i = 1; i < n; i++)
```

```
    { if (arr[i] > max)
```

```
    {
```