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ROLL NO :- 408

TOPIC :- REGIRATION FOR VACCINATION

INTPUT

```
#include <stdio.h>
#include <string.h>
struct patient
{
    char name[50];
    int age;
    char gender;
    char address[100];
    int phone[10];
    char vaccine[50];
    char date[15];
} patients[50];
int num_patients = 0;
void register_patient()
{
    printf("Enter patient name: ");
    scanf("%s", patients[num_patients].name);
    printf("Enter patient age: ");
    scanf("%d", &patients[num_patients].age);
    printf("Enter patient gender (M/F): ");
    scanf(" %c", &patients[num_patients].gender);
    printf("Enter patient address: ");
```

```

scanf(" %[^\\n]s", patients[num_patients].address);
printf("Enter patient phone number: ");
scanf("%s", patients[num_patients].phone);
printf("Enter vaccine name: ");
scanf("%s", patients[num_patients].vaccine);
printf("Enter date of vaccination (DD/MM/YYYY): ");
scanf("%s", patients[num_patients].date);
num_patients++;
printf("\\nPatient registered successfully.\\n\\n");
}

void display_patients()
{
    if(num_patients == 0)
    {
        printf("No patients registered.\\n\\n");
        return;
    }
    printf("Registered patients:\\n");
    printf("Name\\tAge\\tGender\\tAddress\\t\\tPhone\\t\\tVaccine\\tDate\\n");
    for(int i=0; i<num_patients; i++)
    {
        printf("%s\\t%d\\t%c\\t%s\\t%s\\t%s\\t%s\\n",
            patients[i].name, patients[i].age, patients[i].gender, patients[i].address,
            patients[i].phone, patients[i].vaccine, patients[i].date);
    }
    printf("\\n");
}

int main()
{

```

```
int choice;

do {
    printf("1. Register patient\n");
    printf("2. Display registered patients\n");
    printf("3. Exit\n");
    printf("Enter your choice: ");
    scanf("%d", &choice);
    switch(choice)
    {
        case 1: register_patient();
            break;
        case 2: display_patients();
            break;
        case 3: printf("Exiting program.\n");
            break;
        default: printf("Invalid choice. Try again.\n");
    }
} while(choice != 3);

return 0;
}
```

OUTPUT

```
1. Register patient
2. Display registered patients
3. Exit
Enter your choice: 1
Enter patient name: RUSHI.
Enter patient age: 25
```

Enter patient gender (M/F): M

Enter patient address: PUNE

Enter patient phone number: 9860361187

Enter vaccine name: COVACCIN

Enter date of vaccination (DD/MM/YYYY): 25/01/2022

Patient registered successfully.

1. Register patient

2. Display registered patients

3. Exit

Enter your choice: 1

Enter patient name: ANIRIDHA.

Enter patient age: 22

Enter patient gender (M/F): M

Enter patient address: ALANDI

Enter patient phone number: 9322960998

Enter vaccine name: COVACCIN

Enter date of vaccination (DD/MM/YYYY): 02/03/2022

Patient registered successfully.

1. Register patient

2. Display registered patients

3. Exit

Enter your choice: 2

Registered patients:

| Name | Age | Gender | Address | Phone | Vaccine | Date |
|--------|-----|--------|---------|------------|----------|------------|
| RUSHI. | 25 | M | PUNE | 9860361187 | COVACCIN | 25/01/2022 |

ANIRIDHA. 22 M ALANDI 9322960998 COVACCIN 02/03/2022

1. Register patient
2. Display registered patients
3. Exit

Enter your choice: 3

Exiting program.

Process exited after 210.9 seconds with return value 0

Press any key to continue . . .