

Assignment 1

Q1. Write a menu driven program for Date in a C. Declare a structure Date having data members day, month, year. Implement the following functions. void initDate(struct Date* ptrDate); void printDateOnConsole(struct Date* ptrDate); void acceptDateFromConsole(struct Date* ptrDate);
#include <stdio.h>

```
struct Date
```

```
{  
    /* data */  
    int day;  
    int month;  
    int year;  
};
```

```
void initDate(struct Date *ptr)
```

```
{  
    ptr->day=4;  
    ptr->month=9;  
    ptr->year=24;  
}
```

```
void printDateOnConsole(struct Date *ptr)
```

```
{  
    printf("date: %d-\t%d-\t%d",ptr->day,ptr->month,ptr->year) ;  
}
```

```
void acceptDateFromConsole(struct Date *ptr)
```

```
{  
    printf("enter data\n");  
    scanf("%d%d%d",&ptr->day,&ptr->month,&ptr->year);  
}
```

```
int menu()
```

```
{  
    int n;  
    printf("for exit press 0\n");  
    printf("for display 1\n");  
    printf("for accept date 2\n");  
    printf("enter choice\n");
```

```
    scanf("%d",n);
    return n;
}
int main()
{
    struct Date d1;
    int ch;
    while((ch=menu())!=0)
    {
        switch (ch)
        {
            case 1:
                acceptDateFromConsole(&d1);
                break;
            case 2:
                printDateOnConsole(&d1);
                break;
            default:
                break;
        }
    }
    return 0;
}
```

```
PS D:\CDAC\cppvscode> gcc Assignment1..1.c
PS D:\CDAC\cppvscode> .\a.exe
for exit press 0
for accept data 1
for print date 2
enter choice
1
enter data
24
5
2025
for exit press 0
for accept data 1
for print date 2
enter choice
2
date: 24-5-2025
for exit press 0
for accept data 1
for print date 2
enter choice
0
```