



# KIET Group of Institutions, Ghaziabad

## Department of Computer Applications

(An ISO – 9001: 2015 Certified & 'A' Grade accredited Institution by NAAC)  
session 2020-21

### Experiment – No-13

Objective: Program to implement union in C language		
Scheduled Date	Compiled Date	Submission Date
10-Feb-2021	10-Feb-2021	17-Feb-2021

Program 1: write a program to differentiate union and structure.

Program:

```
#include<stdio.h>
#include<conio.h>
struct student
{
    char
    name[50]; int
    age;
    int sem;
    int
    marks;
}s;

union student1{
    char
    name[50]; int
    age;
    int sem;
    int
    marks;
}s1;

void main(){
    printf("\nEnter the data of student in
    structure "); printf("\nEnter Name:");
    fflush(stdin);
    gets(s.name);
    printf("Enter Age: ");
    scanf("%d",&s.age);
```

```

printf("Enter Semester:
"); scanf("%d",&s.sem);
printf("Enter Marks: ");
scanf("%d",&s.marks);
    printf("\nenter the data of student in union
"); printf("\nEnter Name:");
fflush(stdin);
gets(s1.name);
printf("Enter Age: ");
scanf("%d",&s1.age);
printf("Enter Semester:
");

scanf("%d",&s1.sem);
printf("Enter Marks: ");
scanf("%d",&s1.marks
);
printf("\nname age semester marks\n");
printf("\n%s %d %d %d -----> structure",s.name,s.age,s.sem,s.marks);
printf("\n%s %d %d %d -----> union",s1.name,s1.age,s1.sem,s1.marks);

}

```

### Output screen

```

enter the data of student in structure
Enter Name:madhur
Enter Age: 21
Enter Semester: 1
Enter Marks: 90

enter the data of student in union
Enter Name:sakshi
Enter Age: 21
Enter Semester: 1
Enter Marks: 74

name age semester marks
madhur 21 1 90 -----> structure
J 74 74 74 -----> union
-----

```

**Program 2:** Write a program to demonstrate enum.

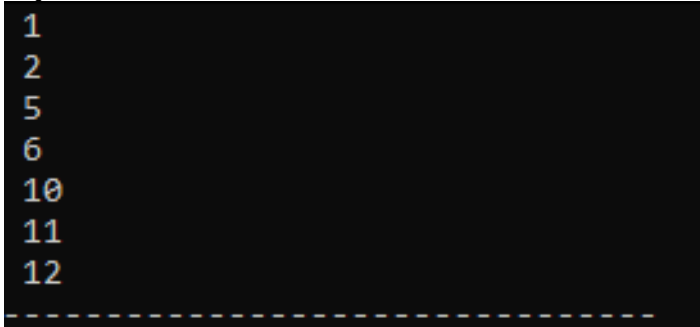
**Program:**

```
#include <stdio.h>
enum day
{
    sunday = 1, monday, tuesday = 5, wednesday, thursday = 10, friday, Saturday
};

int main()
{
    printf(" %d\n %d\n %d\n %d\n %d\n %d\n %d", sunday, monday, tuesday, wednesday, thursday, friday,
    saturday);

    return 0;
}
```

**Output screen:**



```
1
2
5
6
10
11
12
-----
```