

PATRICIAL NO 27

AIM--Write a function Exchange to interchange the values of two variables, say x and y. illustrate the use of this function in a calling function .

```
#include<stdio.h>
void swap(int *,int *);
int main()
{
    int n1,n2;
    printf("enter 1st value ");
    scanf("%d",&n1);

    printf("\nenter 2 value ");
    scanf("%d",&n2);
    printf("\nbefore swap is n1 %d \nand n2 %d\n",n1,n2);
    //printf("Hello world!");

    swap(&n1,&n2);
    printf("\nafter swap n is %d \n and n2 is %d",n1,n2);
    return 0;
}
void swap(int *a,int *b)
{
    int temp;
    temp=*a;
    *a=*b;
    *b=temp;
}
```

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Compile Result

```
enter 1st value 12
```

```
enter 2 value 31
```

```
before swap is n1 12  
and n2 31
```

```
after swap n is 31  
and n2 is 12
```

```
[Process completed - press Enter]  
]
```