

# Medi-Caps University



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## COMPUTER PROGRAMMING

### Programming Assignment

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- Program to swap any two numbers using third variable and without using third variable

#### I. Input of program

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

```
int main()
```

```
{
```

```
int x, y;
```

```
printf("Input value for x & y: \n");
```

```
scanf("%d%d",&x,&y);
```

```
printf("Before swapping the value of x & y: %d %d",x,y);
```

```
x=x+y;
```

```
y=x-y;
```

```
x=x-y;
```

```
printf("\nAfter swapping the value of x & y: %d %d",x,y);
```

```
return 0;
```

```
}
```

```
#include<stdio.h>
int main()
{
int x, y;
printf("Input value for x & y: \n");
scanf("%d%d",&x,&y);
printf("Before swapping the value of x & y: %d %d",x,y);
x=x+y;
y=x-y;
x=x-y;
printf("\nAfter swapping the value of x & y: %d %d",x,y);
return 0;
}
```

## II. Output of Program

```
Input value for x & y:
83
95
Before swapping the value of x & y: 83 95
After swapping the value of x & y: 95 83

...Program finished with exit code 0
Press ENTER to exit console. 
```