

```
/*swap without using third variable*/  
#include<stdio.h>  
int main()  
{  
    int a,b;  
    printf("enter the value of a and b\n");  
    scanf("%d%d",&a,&b);  
  
    a=a+b;  
    b=a-b;  
    a=a-b;  
    printf("the value of a and b :%d\t%d",a,b);  
    return 0;  
}
```

```
/*swap using temp variable*/  
#include<stdio.h>  
int main()  
{  
    int a,b,temp;  
    printf("enter the value of a and b\n");  
    scanf("%d%d",&a,&b);  
    temp=a;  
    a=b;  
    b=temp;  
    printf("the value of a and b :%d\t%d",a,b);  
    return 0;  
}
```

```
/*armstrong no using function without using power*/
```

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

```
int armstrong(int x);
```

```
int power(int y);
```

```
int main()
```

```
{
```

```
    int n,k;
```

```
    printf("enter the value of n\n");
```

```
    scanf("%d",&n);
```

```
    k=armstrong(n);
```

```
    if(k==n)
```

```
        printf("armstrong no");
```

```
    else
```

```
        printf("not armstrong no");
```

```
    return 0;
```

```
}
```

```
int armstrong(int x)
```

```
{
```

```
    int sum=0,rem;
```

```
    while(x!=0)
```

```
    {
```

```
        rem=x%10;
```

```
        sum=sum+power(rem);
```

```
        x=x/10;
```

```
    }
```

```
    return sum;
```

```
}
```

```
int power(int y)
```

```
{
```

```
    int c;
```

```
    c=(y*y*y);
```

```
return c;
```

```
}
```