

--1. returning entire tables from calling functions

--2. table-valued function

```
use AdventureWorks2014
```

```
go
```

```
create function GetProductDetails(@ProductID int)
```

```
returns @ProductDetails table (Name Name,Color nvarchar,ListPrice money)
```

```
as
```

```
begin
```

```
    declare @Name name, @Color nvarchar, @ListPrice money
```

```
    select @Name=name, @Color=color, @ListPrice=ListPrice
```

```
    from Production.Product
```

```
    where ProductID=@ProductID
```

```
    insert @ProductDetails select @Name, @Color, @ListPrice
```

```
    return
```

```
end
```

```
go
```

```
select name,Color from GetProductDetails(2)
```

```
drop function GetProductDetails
```