Table of Contents

[Users 1](#_Toc458004744)

[AdressUser 1](#_Toc458004745)

[Payment 1](#_Toc458004746)

[Blockeds 1](#_Toc458004747)

[CreditCard 1](#_Toc458004748)

[Category&Advert 2](#_Toc458004749)

[PropertyMainCategory 2](#_Toc458004750)

[Advert Category PropertType Property 2](#_Toc458004751)

[Alternative 2](#_Toc458004752)

[Alternative 2](#_Toc458004753)

[SubCategories 3](#_Toc458004754)

[ISNULL / COALESCE / CASE 3](#_Toc458004755)

# Users

## AdressUser

select Username,FirstName,CountryName,CityName,TownName,Neighboorhood,Detail from AdvertManagement\_Users as users inner join AdvertManagement\_UserAddressRel as addressRel on users.Id=addressRel.UserId

inner join AdvertManagement\_Addresses as addresses on addresses.Id=addressRel.AddressId

inner join AdvertManagement\_Countries as countries on addresses.CountryId=countries.Id

inner join AdvertManagement\_Cities as cities on addresses.CityId=cities.Id

inner join AdvertManagement\_Towns as towns on addresses.TownId=towns.Id

group by Username,FirstName,CountryName,CityName,TownName,Neighboorhood,Detail;

## Payment

select Username,FirstName,PayStatus,PaymentStyleName,Amount from AdvertManagement\_Users as users inner join AdvertManagement\_AccountActivities as activity on users.Id=activity.UserId

inner join AdvertManagement\_PaymentStatus as paymentstatus on activity.PaymentStatus= paymentstatus.Id

inner join AdvertManagement\_PaymentStyles as paystyle on paystyle.Id=activity.PaymentStyleId

where Amount>100;

## Blockeds

select blocker.FirstName as [Blocker Name], blocker.LastName as [Blocker Surname],

blocked.FirstName as [Blocked Name], blocked.LastName as [Blocked Surame]

from AdvertManagement\_BlockedUsers inner join AdvertManagement\_Users as blocker on userId=blocker.Id

inner join AdvertManagement\_Users as blocked on BlockedUserId=blocked.Id;

## CreditCard

select FirstName, LastName, CardNumber, DueDate, CVC from AdvertManagement\_CreditCards inner join AdvertManagement\_Users on OwnerId=AdvertManagement\_Users.Id;

# Category&Advert

## PropertyMainCategory

select CategoryName, PropertyTypeName , Value

from AdvertManagement\_Categories as category inner join AdvertManagement\_CategoryPropertyRel as relation on category.Id=relation.CategoryId

inner join AdvertManagement\_Properties as property on property.Id=relation.PropertyId

inner join AdvertManagement\_PropertyTypes as propertyType on propertyType.Id=relation.PropertyTypeId

where category.CategoryName='Laptop';

PropertySubCategory

select category.CategoryName, PropertyTypeName , Value

from AdvertManagement\_Categories as category

inner join AdvertManagement\_Categories as determiner on determiner.Id=category.DeterminerId

inner join AdvertManagement\_CategoryPropertyRel as relation on determiner.Id=relation.CategoryId

inner join AdvertManagement\_Properties as property on property.Id=relation.PropertyId

inner join AdvertManagement\_PropertyTypes as propertyType on propertyType.Id=relation.PropertyTypeId

where category.CategoryName='BMW';

## Advert Category PropertType Property

### Alternative

select advItem.CreatorId,advItem.CategoryId,advItem.Title,propTypes.PropertyTypeName,prop.Value

from AdvertManagement\_Adverts as advItem

inner join AdvertManagement\_AdvertPropertyRel as advPropRel on advPropRel.AdvertId=advItem.Id

inner join AdvertManagement\_Properties as prop on advPropRel.PropertyId=prop.Id

inner join AdvertManagement\_CategoryPropertyRel as catProperty on advPropRel.PropertyId=catProperty.PropertyId

inner join AdvertManagement\_PropertyTypes as propTypes on propTypes.Id=catProperty.PropertyTypeId

group by advItem.CreatorId,advItem.CategoryId,advItem.Title,propTypes.PropertyTypeName,prop.Value;

### Alternative

select advItem.CreatorId,advItem.CategoryId,advItem.Title,detCat.CategoryName,propTypeNames.PropertyTypeName,prop.Value

from AdvertManagement\_Adverts as advItem

inner join AdvertManagement\_AdvertPropertyRel as advPropRel on advPropRel.AdvertId=advItem.Id

inner join AdvertManagement\_Properties as prop on advPropRel.PropertyId=prop.Id

inner join AdvertManagement\_Categories as detCat on detCat.Id=advItem.CategoryId

inner join AdvertManagement\_CategoryPropertyRel as catProperty on detCat.DeterminerId=catProperty.CategoryId

inner join AdvertManagement\_PropertyTypes as propTypeNames on propTypeNames.Id=catProperty.PropertyTypeId

group by advItem.CreatorId,advItem.CategoryId,advItem.Title,detCat.CategoryName,propTypeNames.PropertyTypeName,prop.Value;

## SubCategories

select First.CategoryName as Parent, Second.CategoryName as Child from AdvertManagement\_Categories as First inner join AdvertManagement\_Categories as Second on First.Id=Second.ParentId

group by First.CategoryName, Second.CategoryName;

## ISNULL / COALESCE / CASE

select ISNULL(First.CategoryName,'Main Category') as Parent, Second.CategoryName as Child from AdvertManagement\_Categories as First right join AdvertManagement\_Categories as Second on First.Id=Second.ParentId

group by First.CategoryName, Second.CategoryName;

select COALESCE(First.CategoryName,'Main Category') as Parent, Second.CategoryName as Child from AdvertManagement\_Categories as First right join AdvertManagement\_Categories as Second on First.Id=Second.ParentId

group by First.CategoryName, Second.CategoryName;

select CASE WHEN First.CategoryName IS NULL THEN ‘Main Category’ ELSE First.Category as Parent, Second.CategoryName as Child from AdvertManagement\_Categories as First right join AdvertManagement\_Categories as Second on First.Id=Second.ParentId

group by First.CategoryName, Second.CategoryName;

**\*\*\*\*Coalesce returns the first non-null Value\*\*\*\***

## Store Procedure with output parameters

Create PROCEDURE [dbo].[Get\_AdvertManagement\_AdvertAmountByCategory]

-- Add the parameters for the stored procedure here

@categoryId int,

@total int Output

AS

BEGIN

SET NOCOUNT ON;

-- Insert statements for procedure here

select @total=count(CategoryId)

from AdvertManagement\_Adverts

where CategoryId=@categoryId

END

### How to Execute

Declare @advertTotal int

Execute Get\_AdvertManagement\_AdvertAmountByCategory 24, @advertTotal output

print @advertTotal;