What permissions are automatically granted to a Django superuser?

A Django superuser is granted **full access** to all models and administrative functionalities. Specifically, a superuser has the following permissions:

- **CREATE** – Create new records.

- **READ** – View all records.

- **UPDATE** – Edit existing records.

- **DELETE** – Remove records.

In addition, superusers bypass all permission checks, meaning they can access everything in the admin interface without restrictions.

What is the purpose of ModelAdmin class in Django Admin?

The ModelAdmin class is used to customize the behavior and appearance of models in the Django admin interface. It allows you to configure how data is displayed, filtered, and managed.

Common Attributes and Methods of ModelAdmin:

- **list_display**: Specifies which fields to display in the admin list view.

- **search_fields**: Adds a search bar to filter results.

- **list_filter**: Adds sidebar filters for quick data segmentation.

- **ordering**: Controls the default ordering of records.

- **readonly_fields**: Displays certain fields as read-only.

- **fieldsets**: Organizes fields into sections on the form view.

- **inlines**: Allows related models to be edited on the same page.

Example:-

```python
from django.contrib import admin
from .models import Product

@admin.register(Product)
class ProductAdmin(admin.ModelAdmin):
    list_display = ('name', 'price', 'stock', 'category', 'created_at')
    search_fields = ('name', 'category__name')
    list_filter = ('category', 'created_at')
    ordering = ('-created_at',)
    readonly_fields = ('created_at',)
```