

**UNIVERSIDAD ESTATAL DE MILAGRO**

**FACULTAD CIENCIAS DE LA INGENIERÍA**

INGENIERÍA EN SISTEMAS COMPUTACIONALES

**TEMA**

REALIZACION DE OPERACIONES CON MODELOS USANDO EL ORM DE DJANGO

**DOCENTE**

ING. VERA PAREDES DANIEL ALEXANDER

**CURSO**

6TO NIVEL- C1

**INTEGRANTES**

VALERIA ESTEFANIA BUÑAY PAGUAY

**JUNIO – OCTUBRE**

**Insertar registros en los modelos**

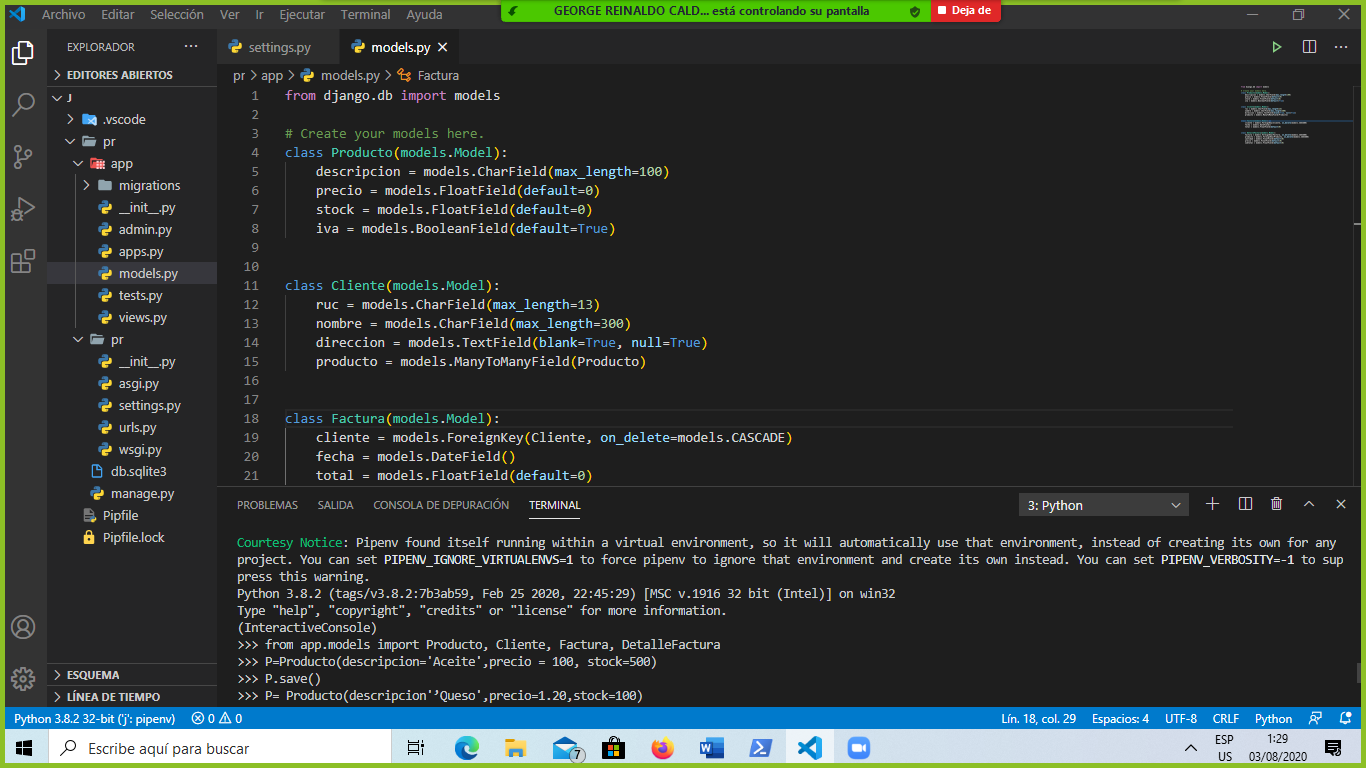
**Producto**

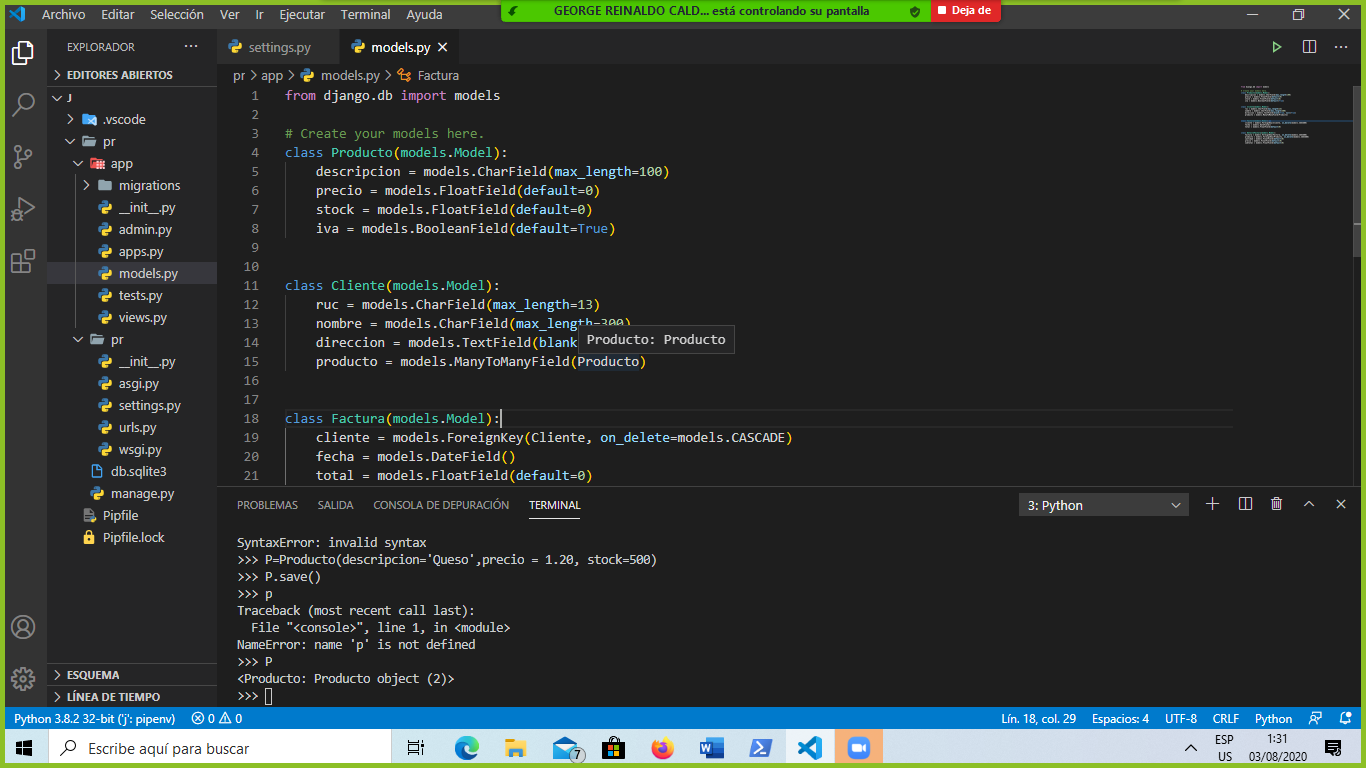
1)P= Producto(descripcion=’Mostaza',precio=1.80,stock=30)

P.save()

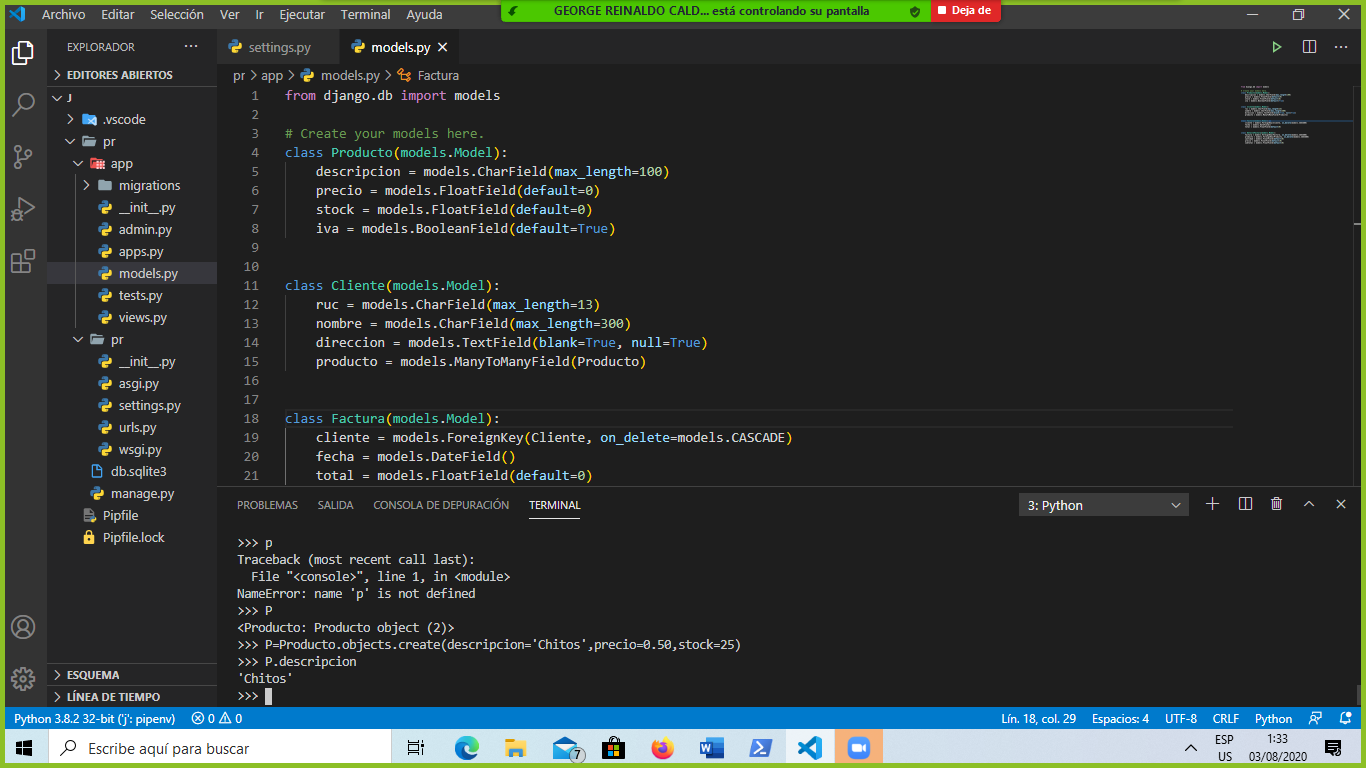
2)P= Producto(descripcion=’Queso’,precio=1.20,stock=100)

P.save()





Producto.objects.create(descripcion='Chitos',precio=0.50,stock=25)



**Cliente**

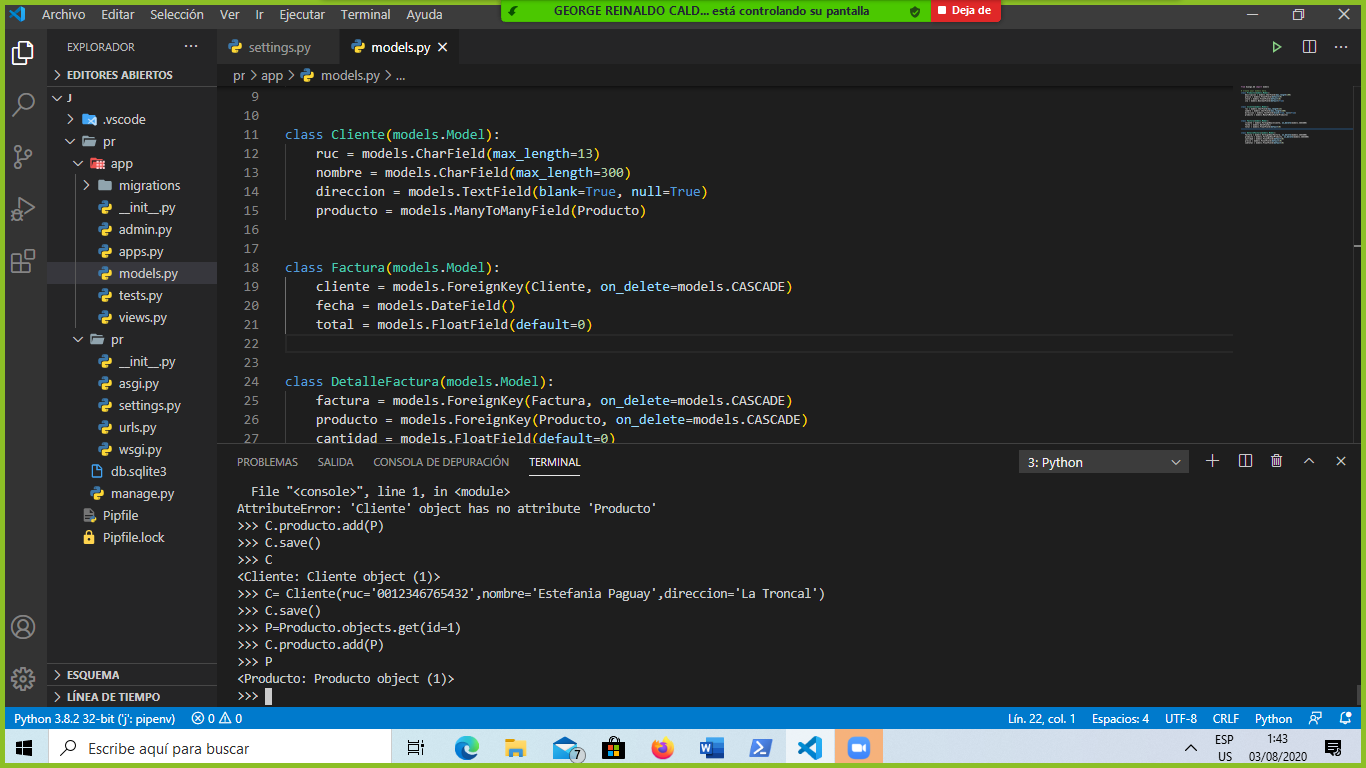
1)C= Cliente(ruc=’0010350284584',nombre=’Valeria Buñay’,=’La Troncal’)

C.save()

P=Producto.objects.get(id=1)

C.producto.add(P)

C.save()

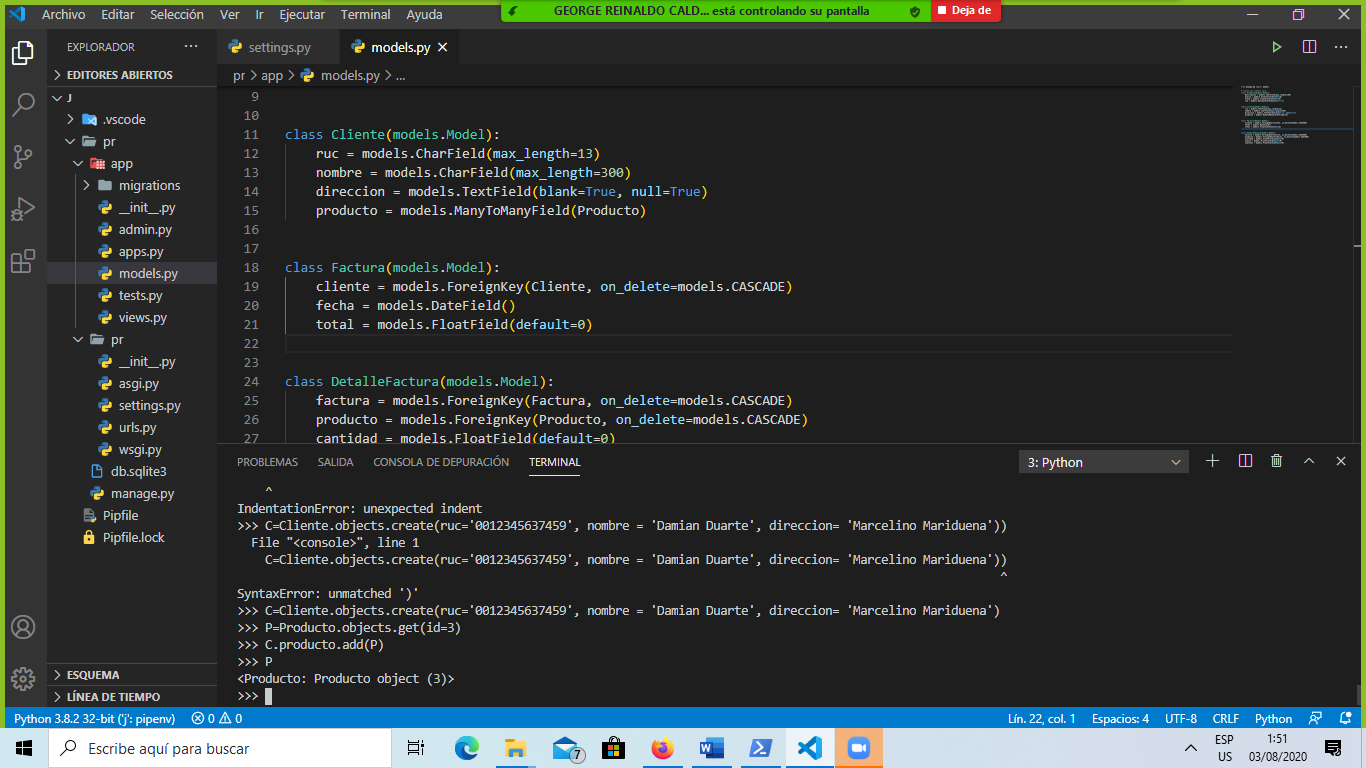


Cliente.objects.create(ruc=’0987654312435’,nombre=’Damian Duarte’,direccion=’Marcelino Maridueña’)

P=Producto.objects.get(id=3)

C.producto.add(P)

C.save()



**Factura y Detalle**

C=Cliente.objects.get(id=1)

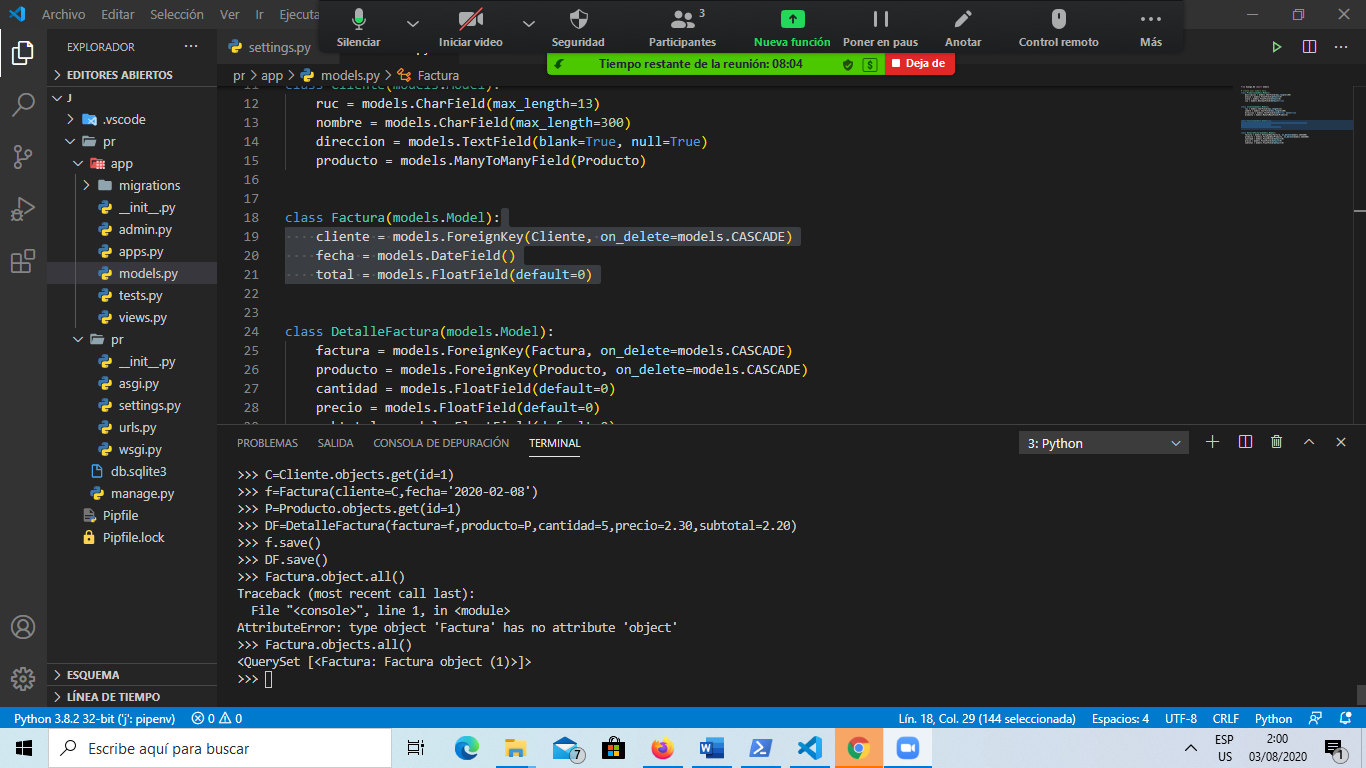
F= Factura(cliente=C, fecha=’2020-04-12’)

P=Producto.objects.get(id=1)

DF=DetalleFactura(factura=F, producto=P, cantidad = 3, precio = 1.20, subtotal=3,60)

F.save()

DF.save()



**Factura y Detalle**

C=Cliente.objects.get(id=2)

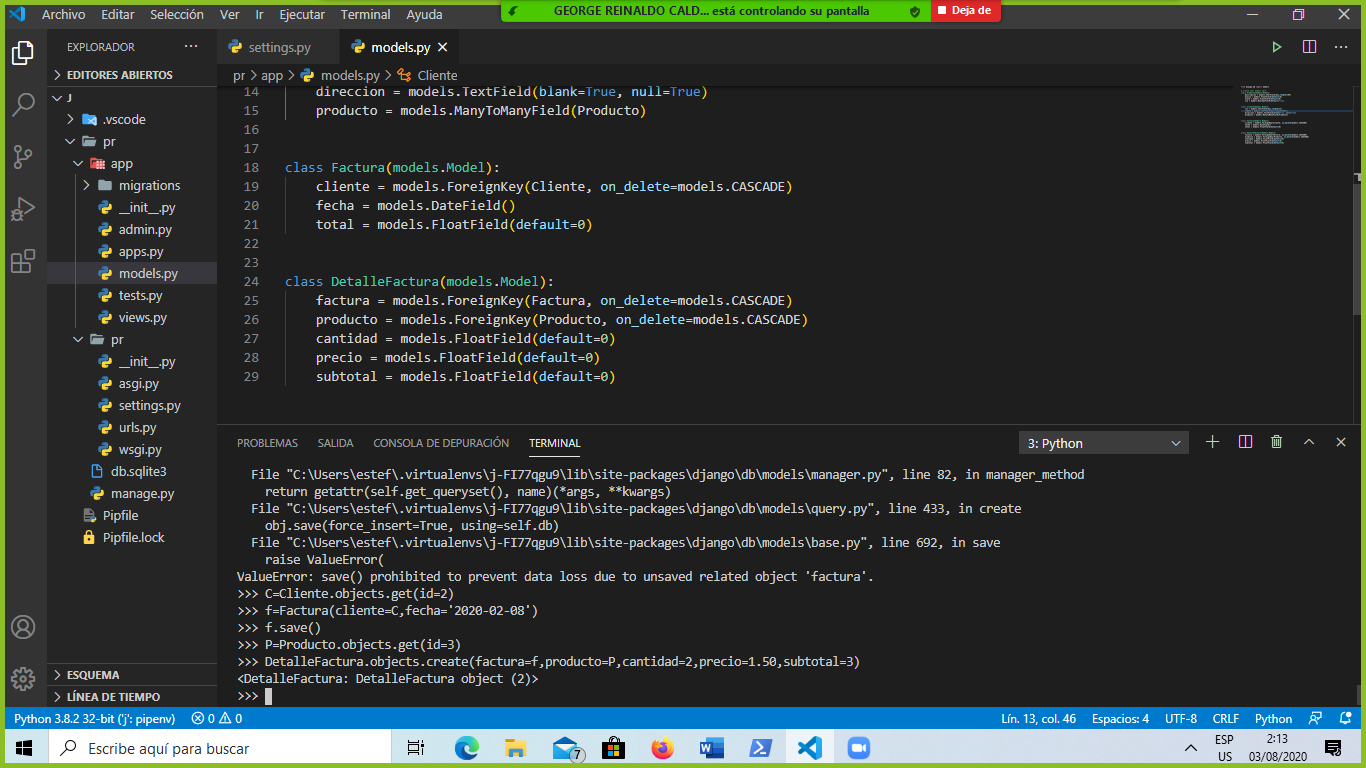
1 F= Factura.objects.create(cliente=C, fecha=’2020-04-13’)

P=Producto.objects.get(id=2)

DF=DetalleFactura.objects.create(factura=F, producto=P, cantidad = 2, precio = 1.50, subtotal=3)

F.save()

DF.save()



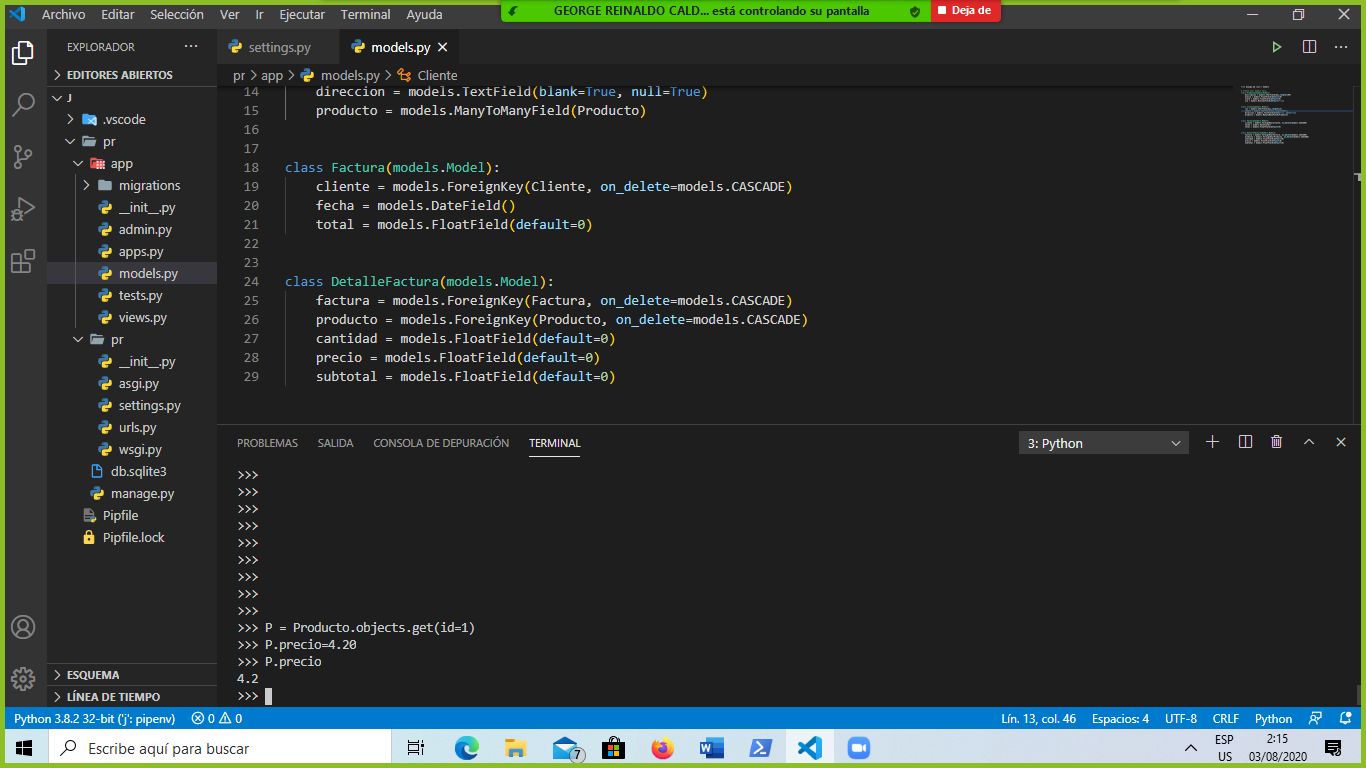
**Actualizar registros en los modelos**

**Productos**

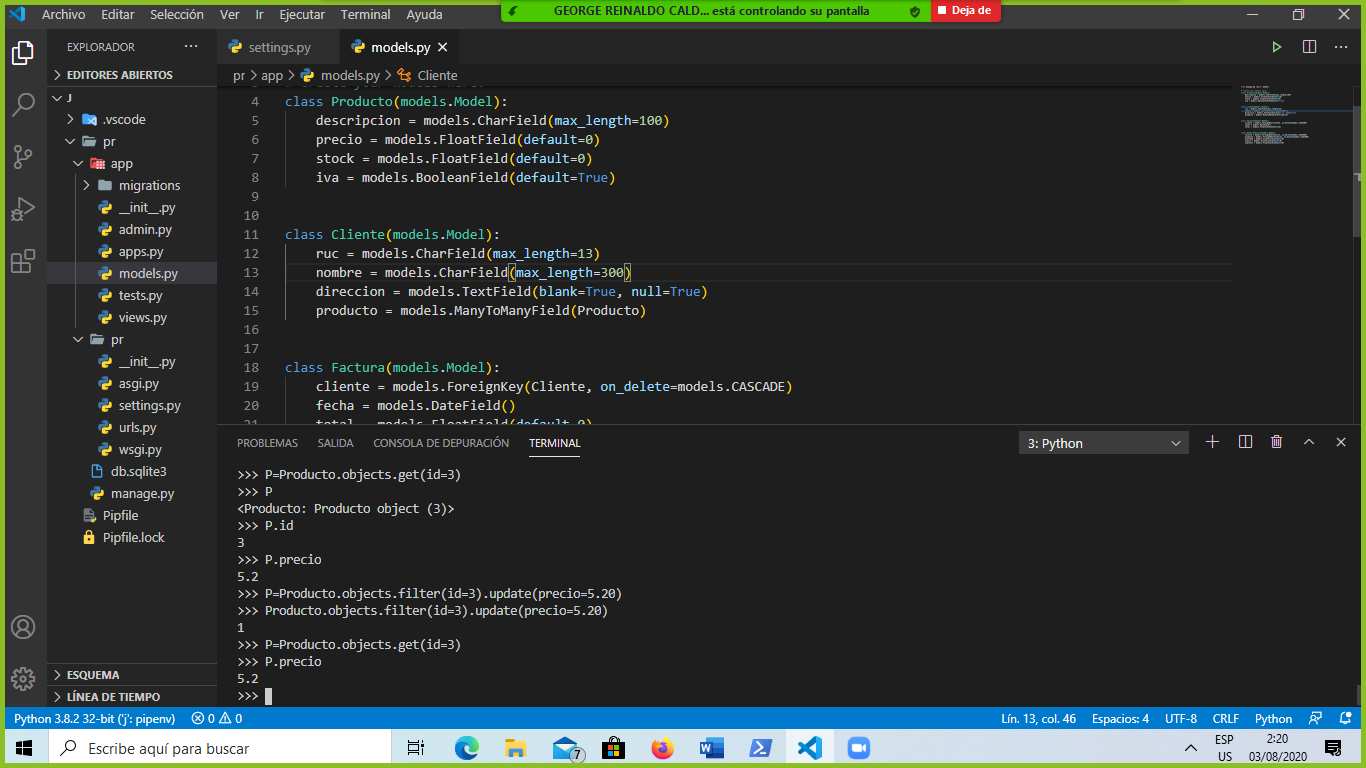
P = Producto.objects.get(id=1)

P.precio=4.20

P.save()



P=Producto.objects.filter(id=3).update(precio=5.20)

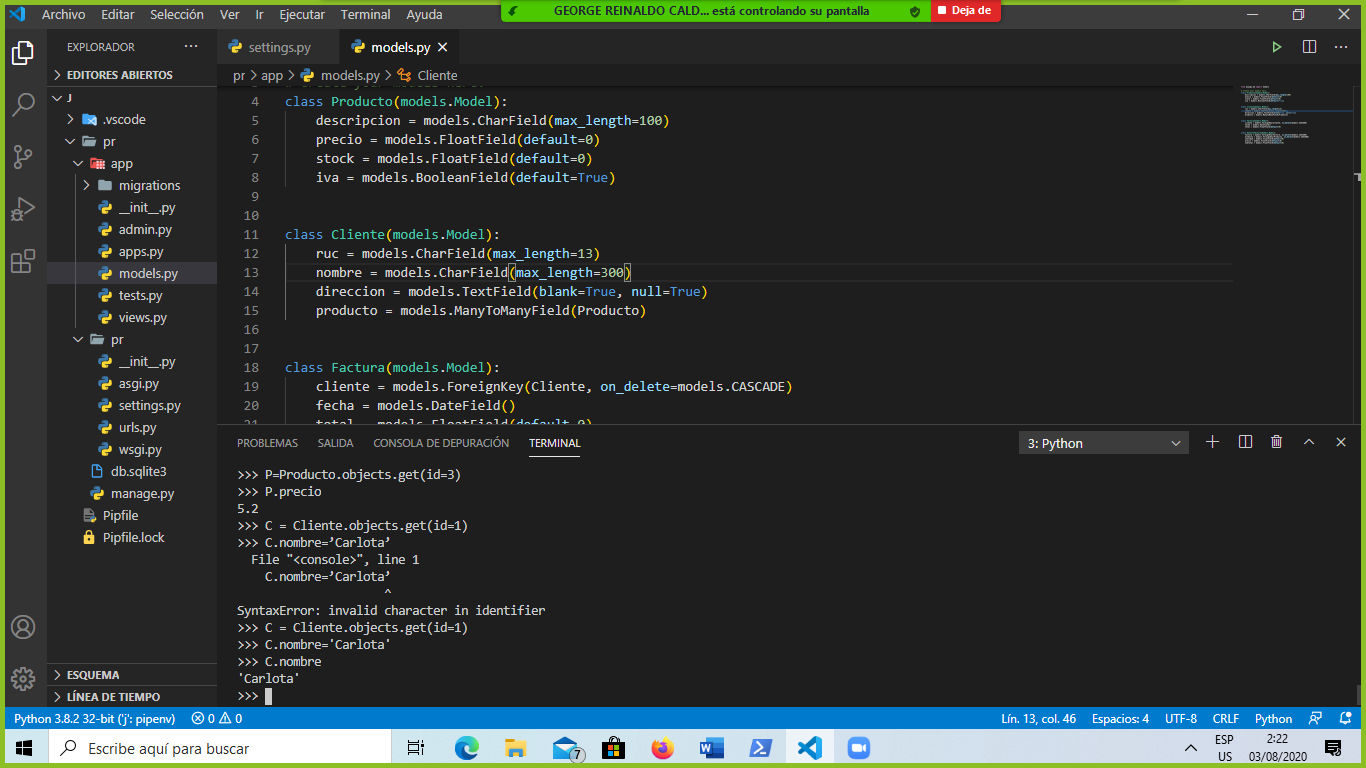


**Clientes**

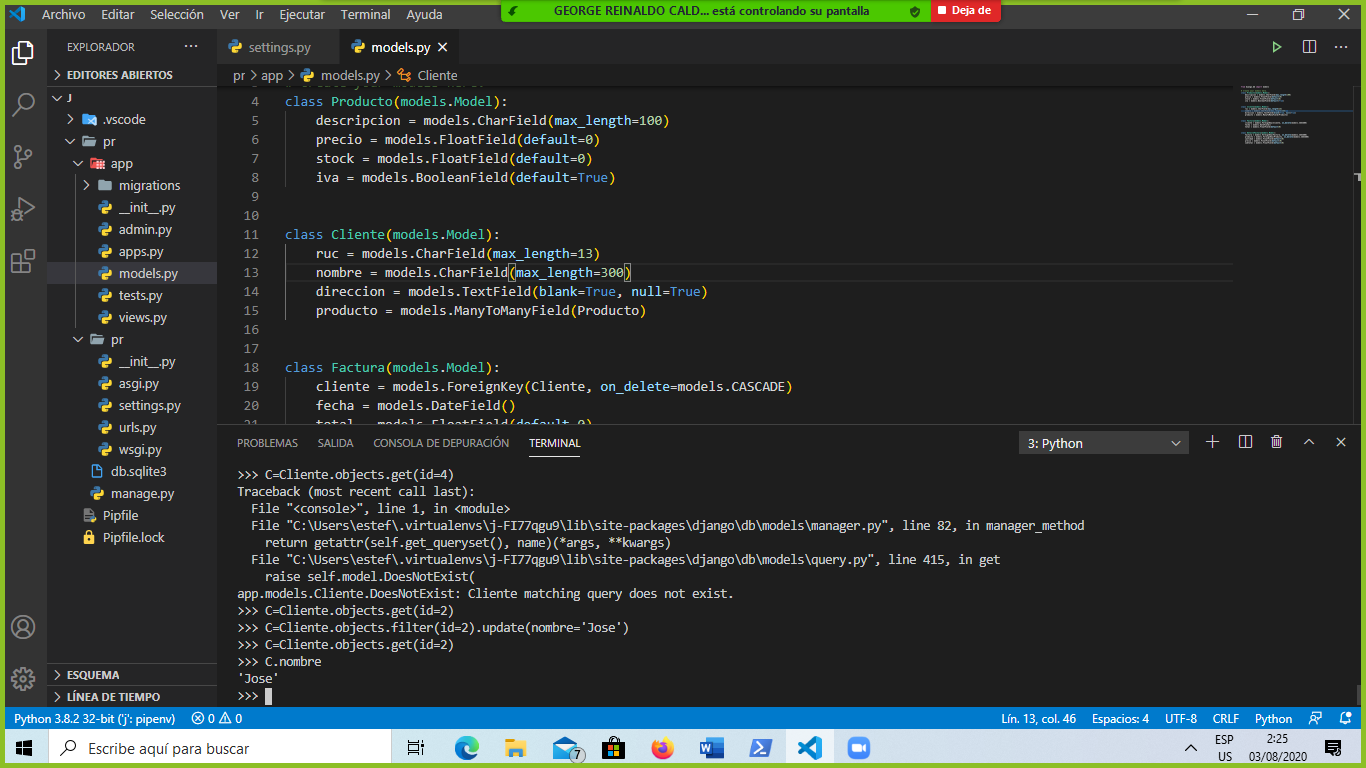
C = Cliente.objects.get(id=1)

C.nombre=’Carlota’

C.save()



C=Cliente.objects.filter(id=3).update(nombre=’Jose’)

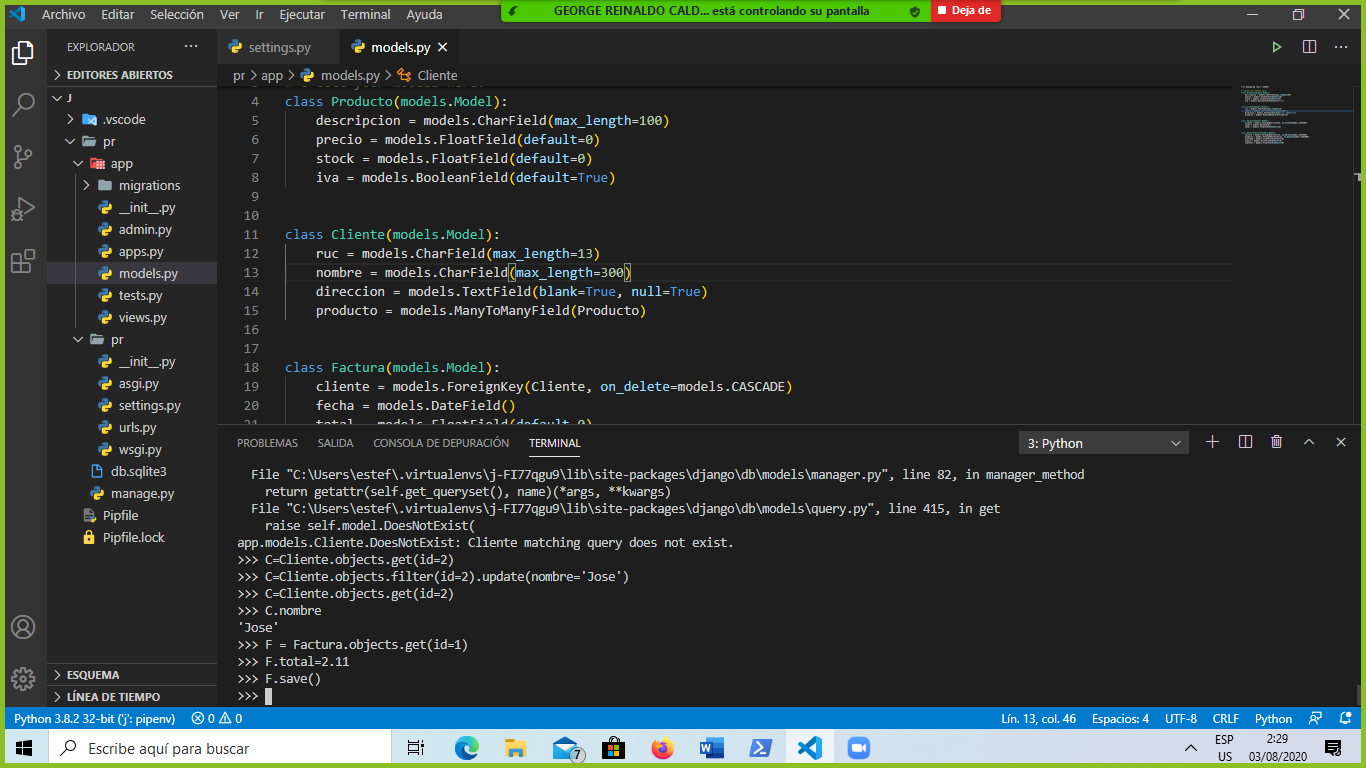


**Factura**

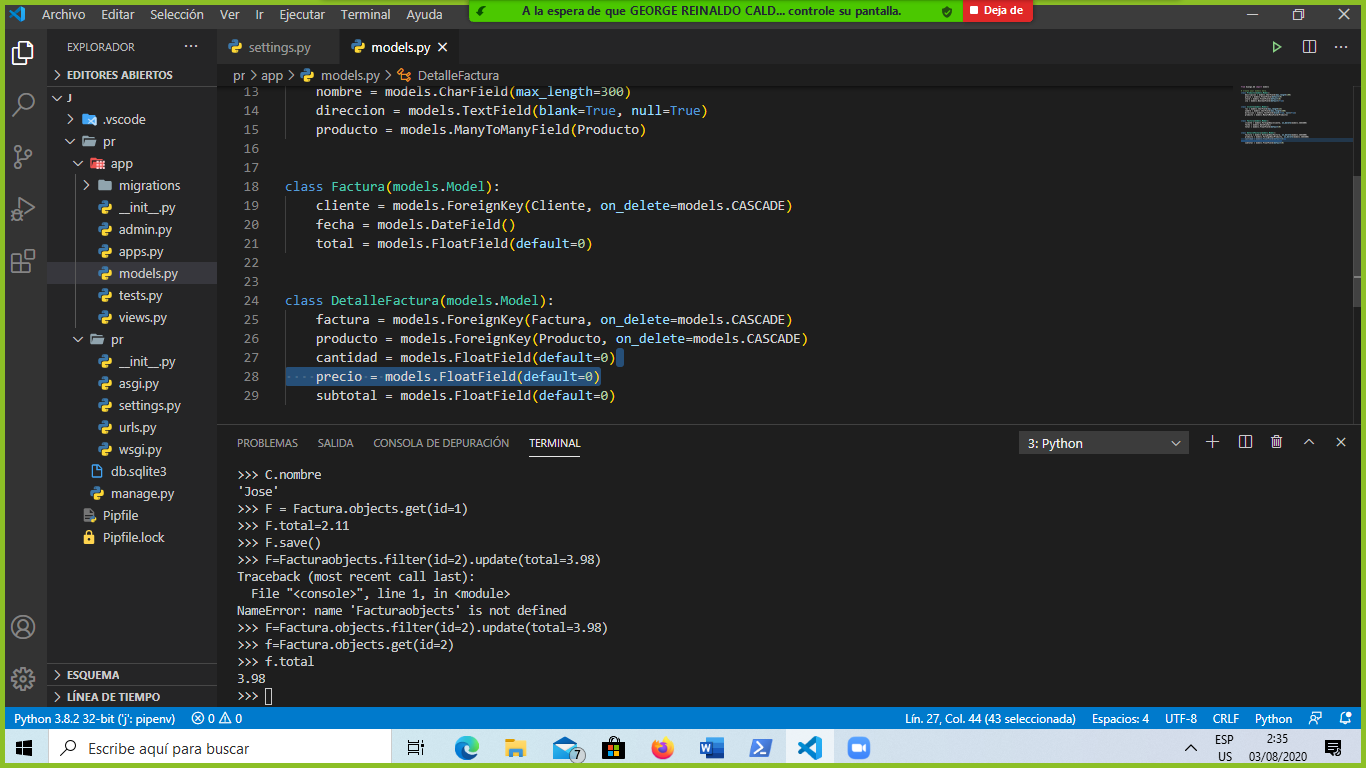
F = Factura.objects.get(id=1)

F.total=2.11

F.save()



F=Factura.objects.filter(id=2).update(total=3.98)

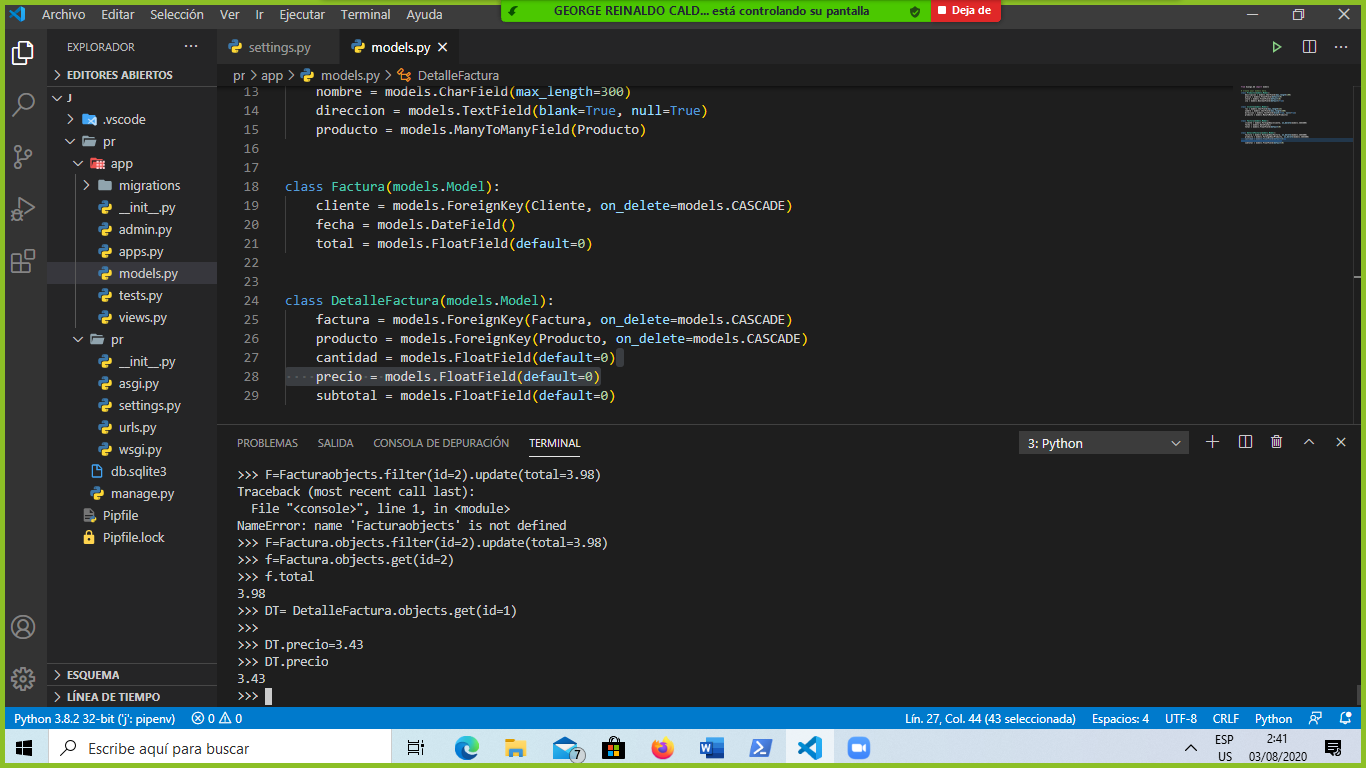


**Detalle Factura**

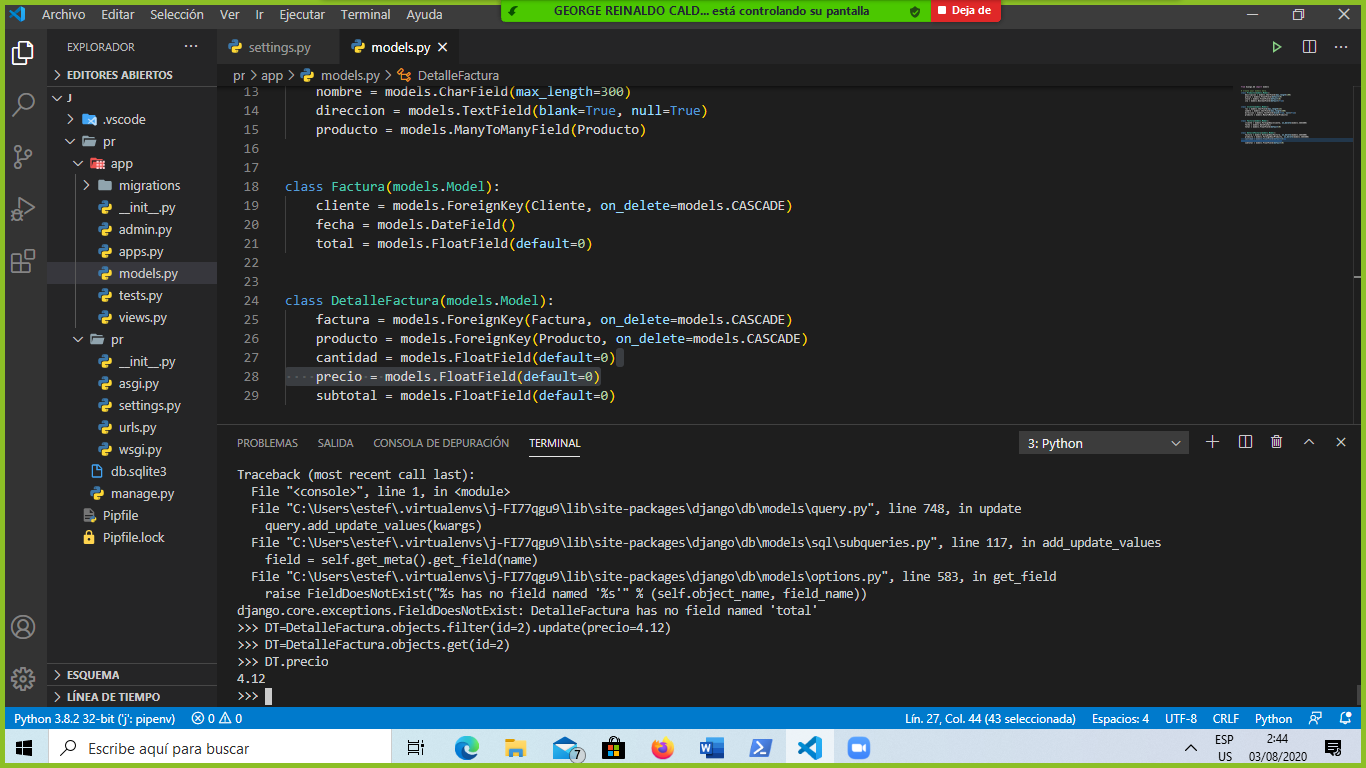
DT= DetalleFactura.objects.get(id=1)

DT.precio=3.43

DT.save()



DT=DetalleFactura.objects.filter(id=3).update(total=4.12)

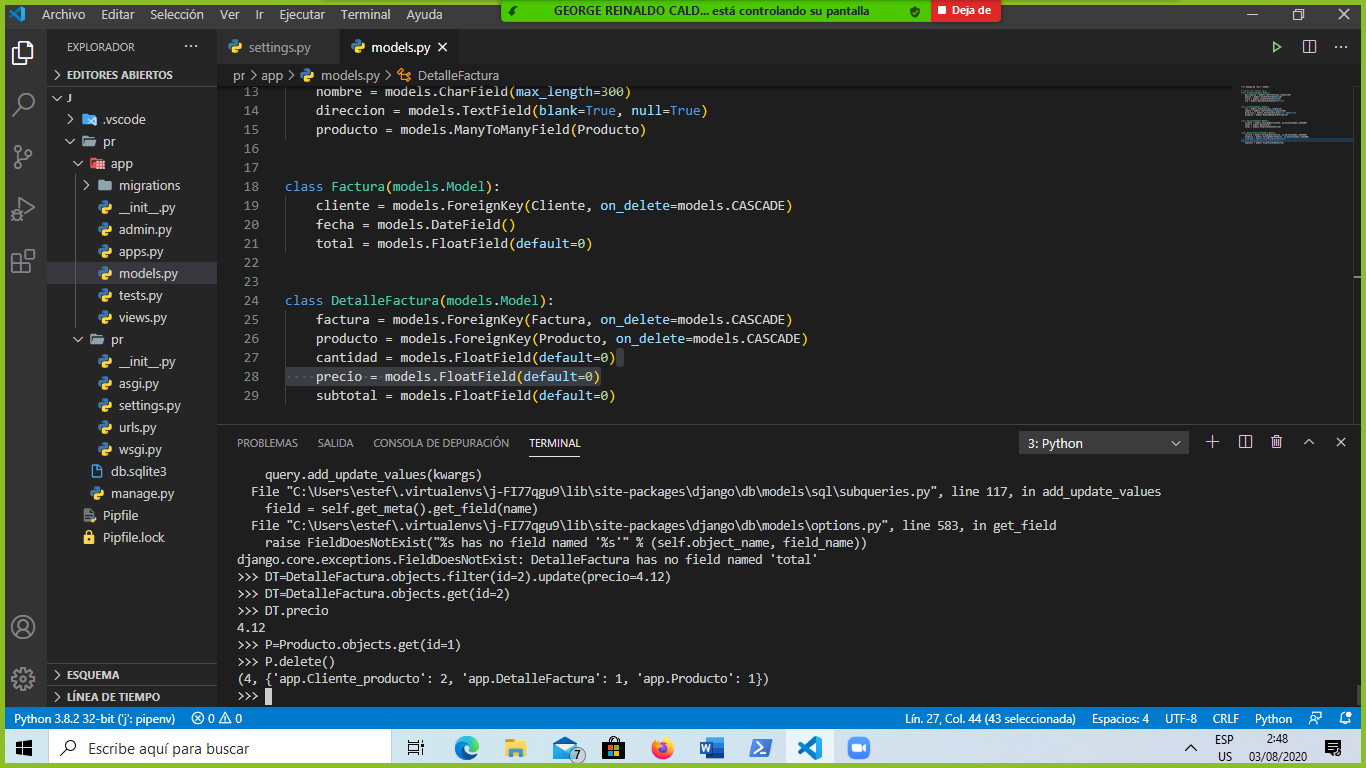


**Eliminar**

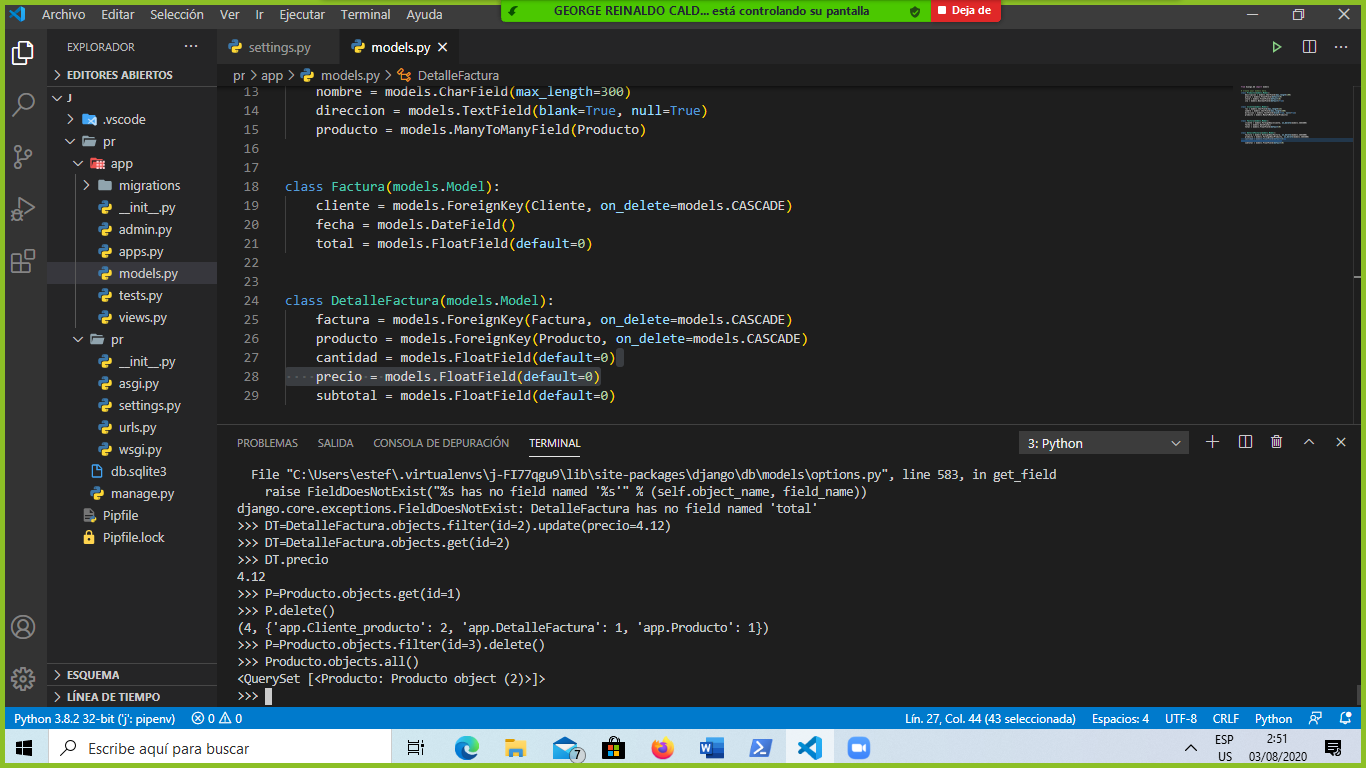
**Producto**

P=Producto.objects.get(id=1)

P.delete()



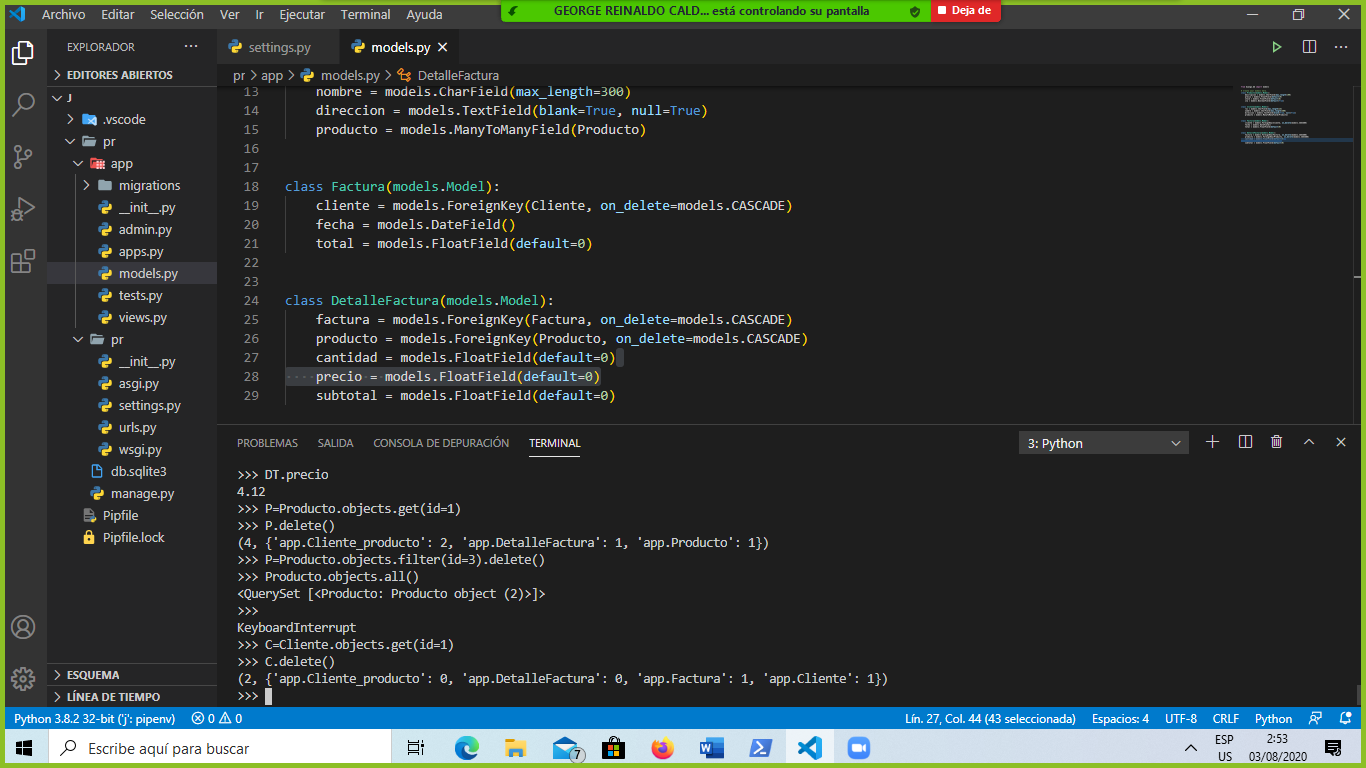
P=Producto.objects.filter(id=3).delete()



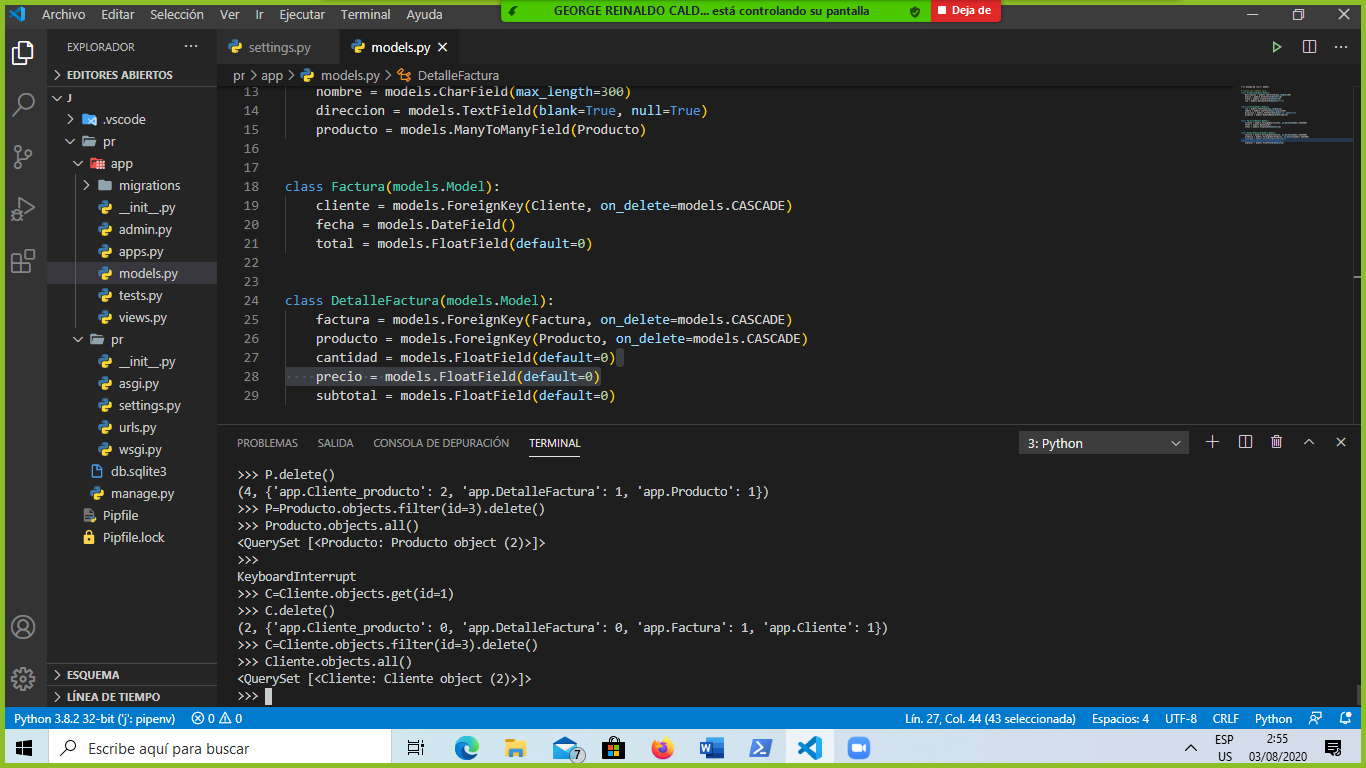
**Cliente**

C=Cliente.objects.get(id=1)

C.delete()



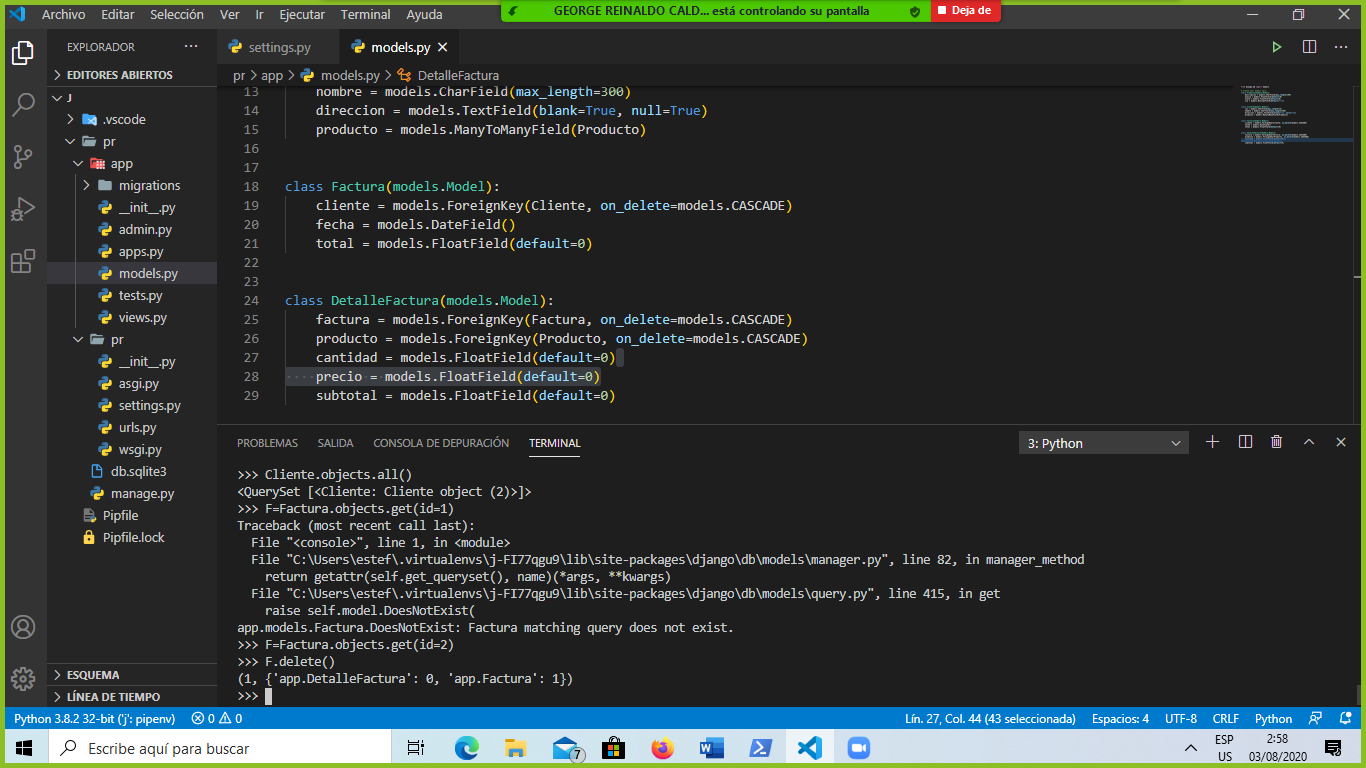
C=Cliente.objects.filter(id=3).delete()



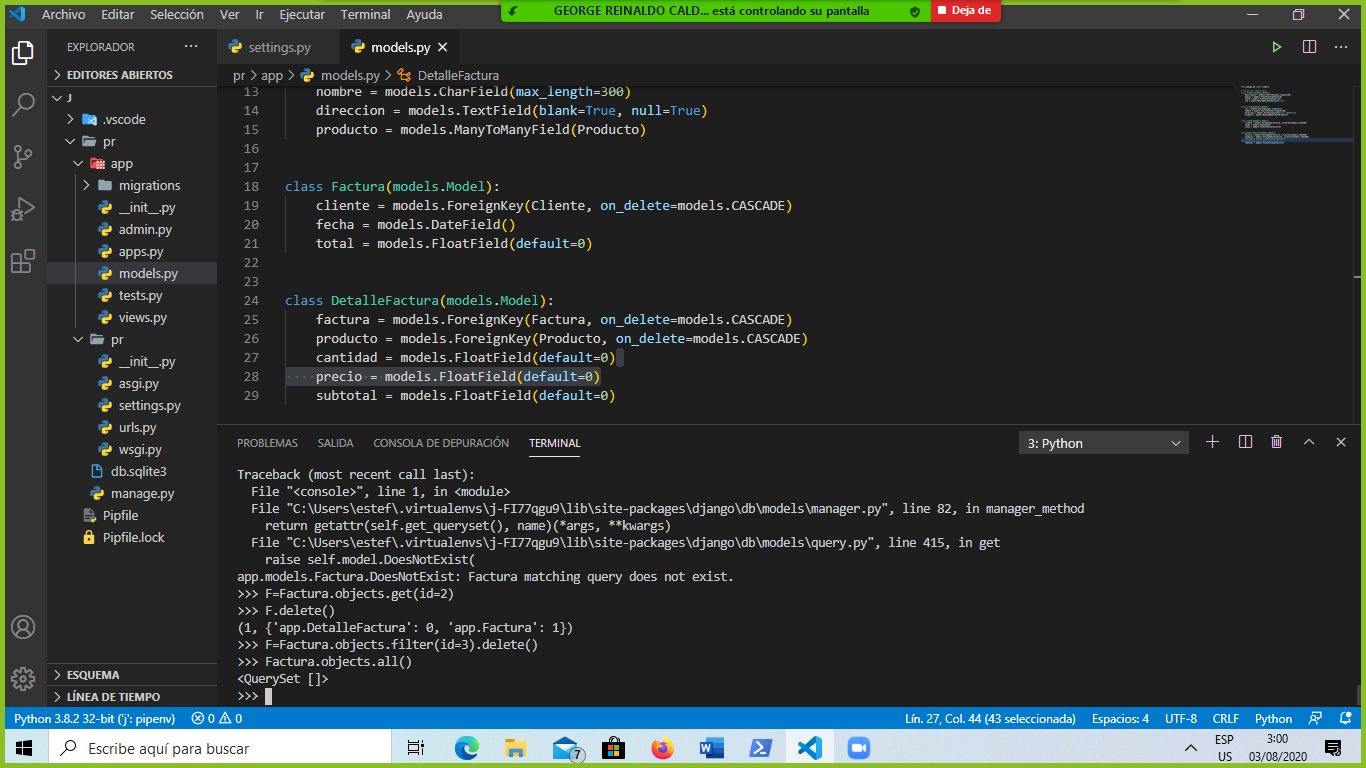
**Factura y Detalle de factura**

F=Factura.objects.get(id=2)

F.delete()

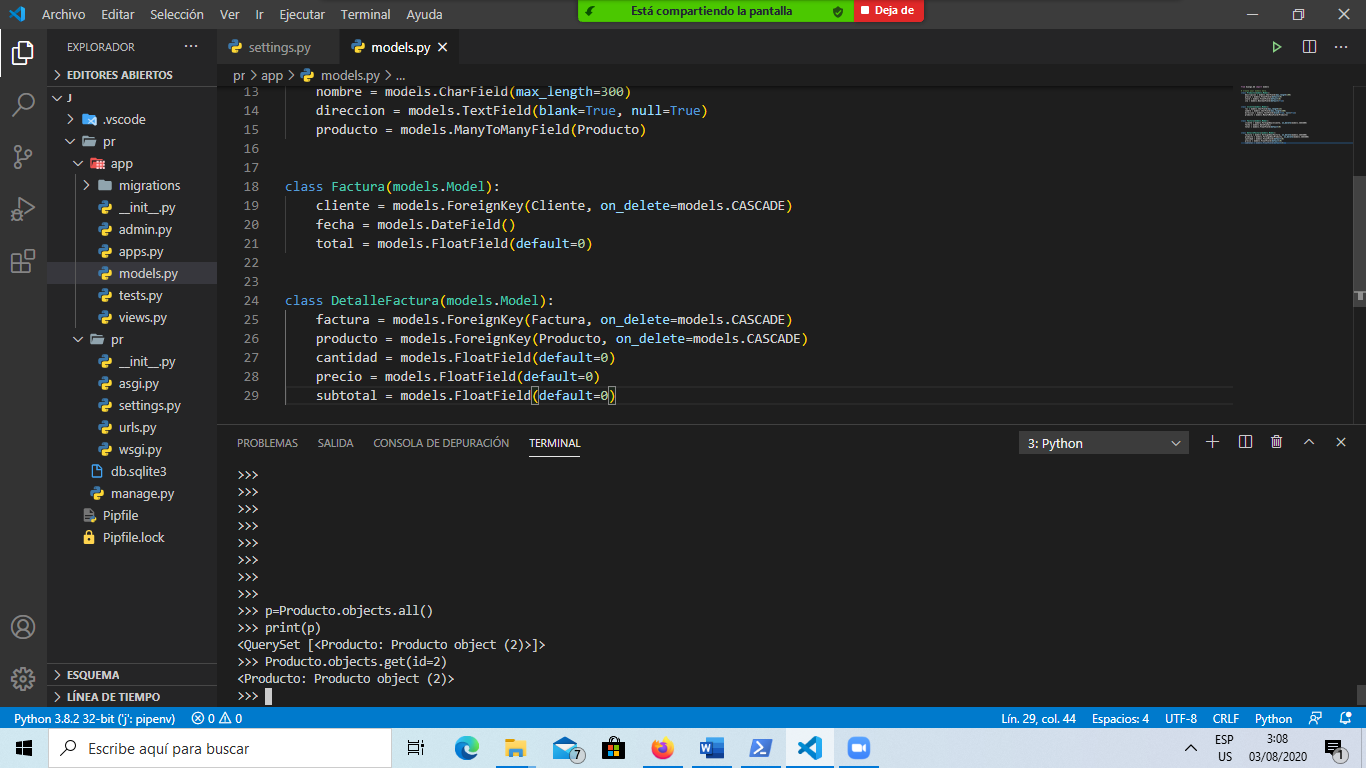


F=Factura.objects.filter(id=3).delete()

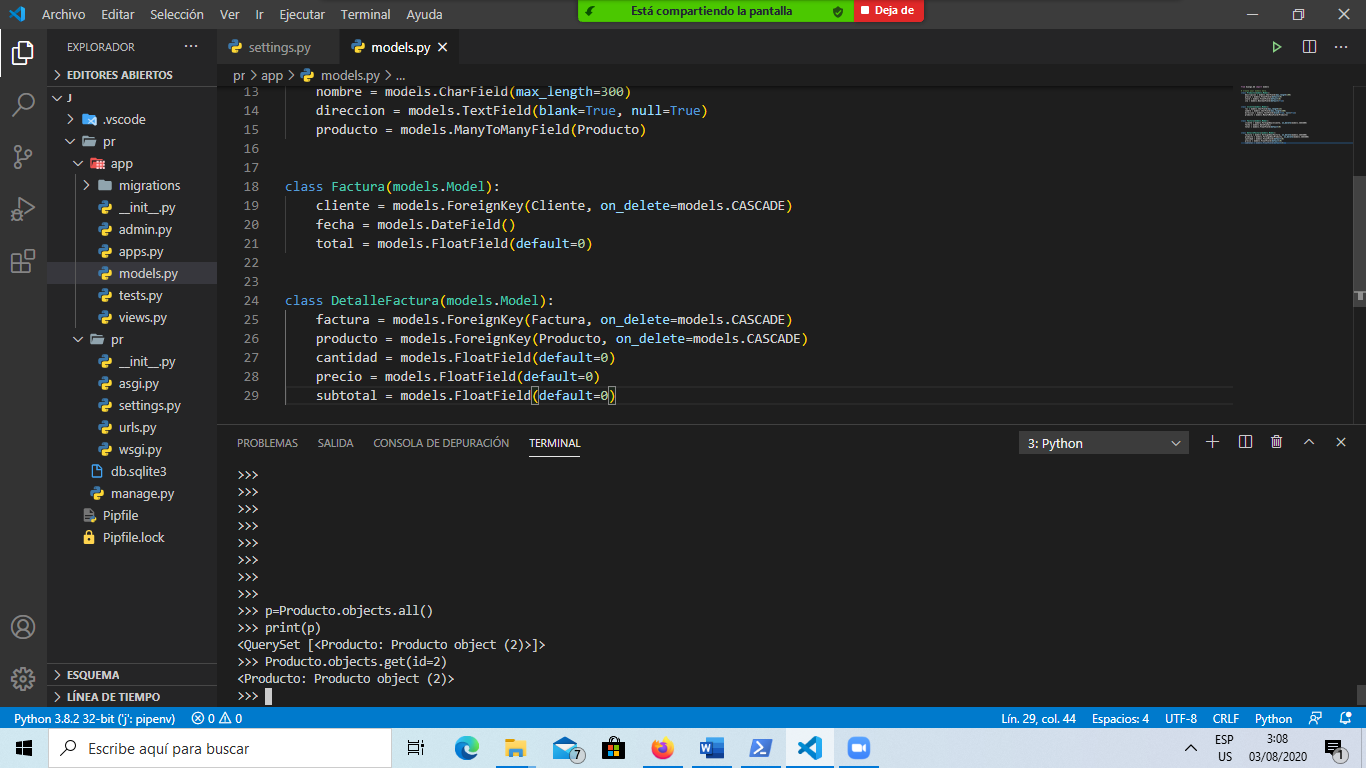


**Querys de un modelo**

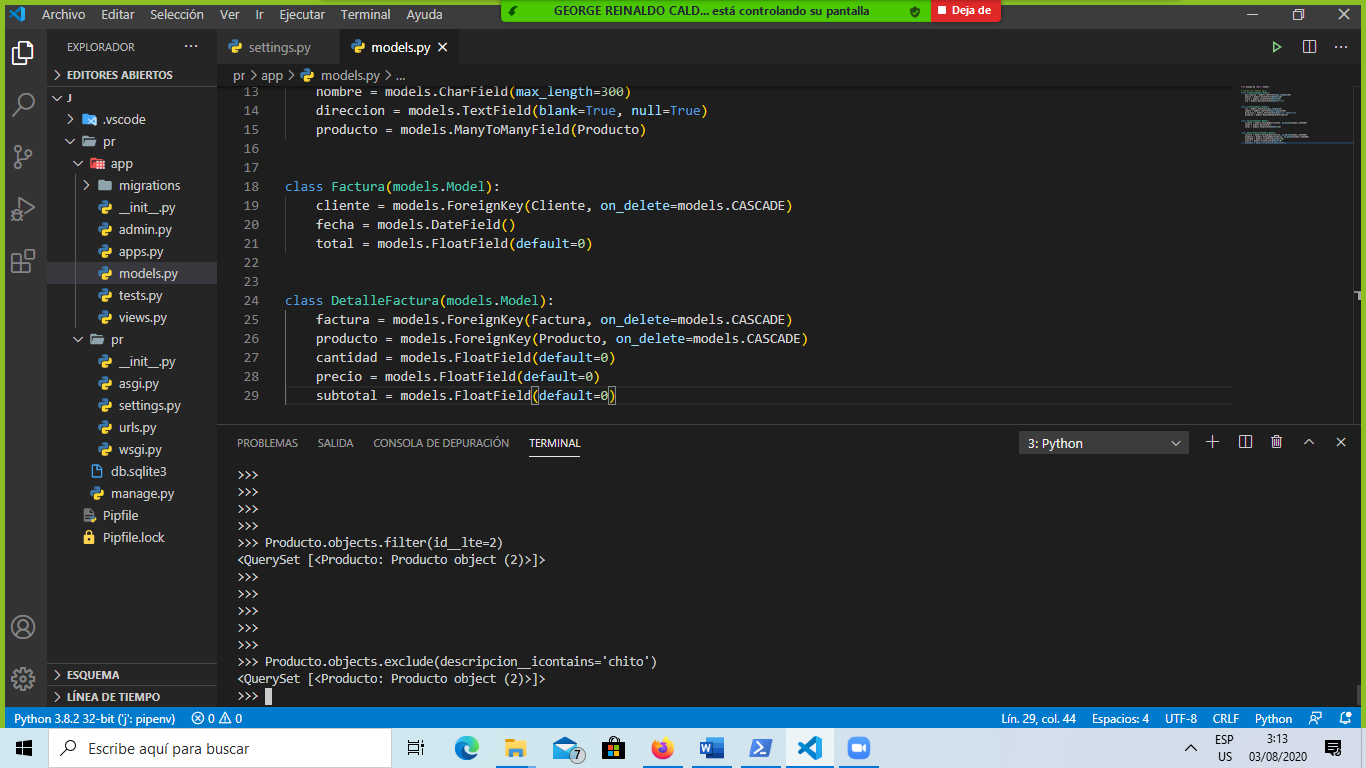
**1)p=Producto.objects.all()**

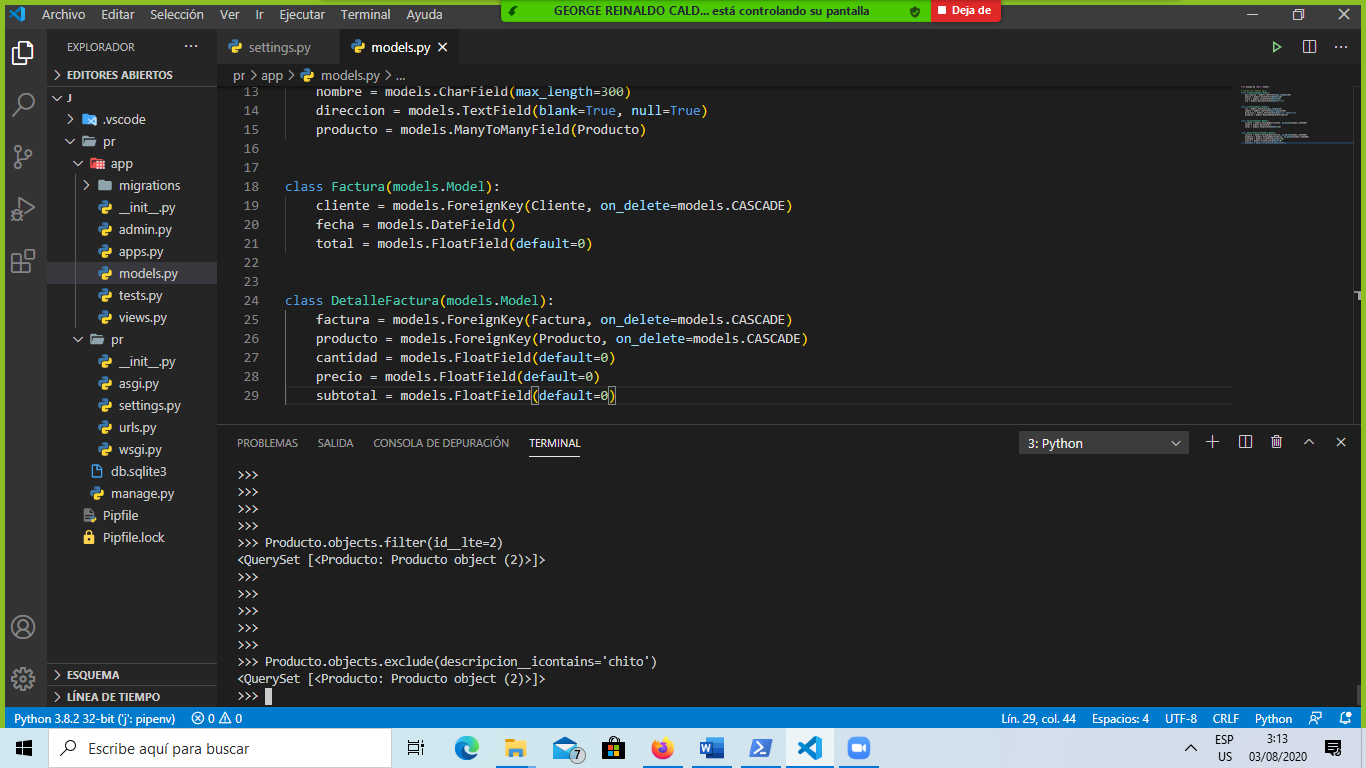


2)p=Producto.objects.get(id=2)

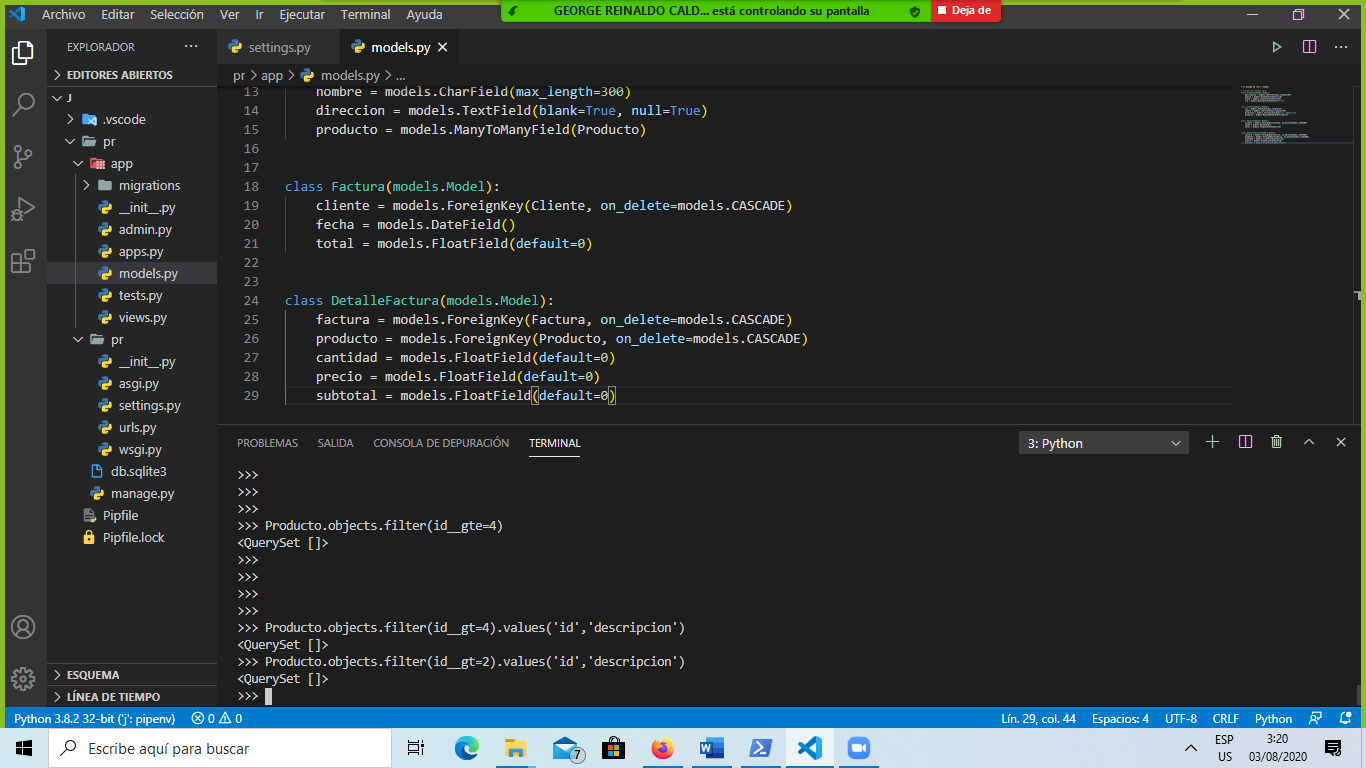


3)Producto.objects.filter(id\_\_lte=2)

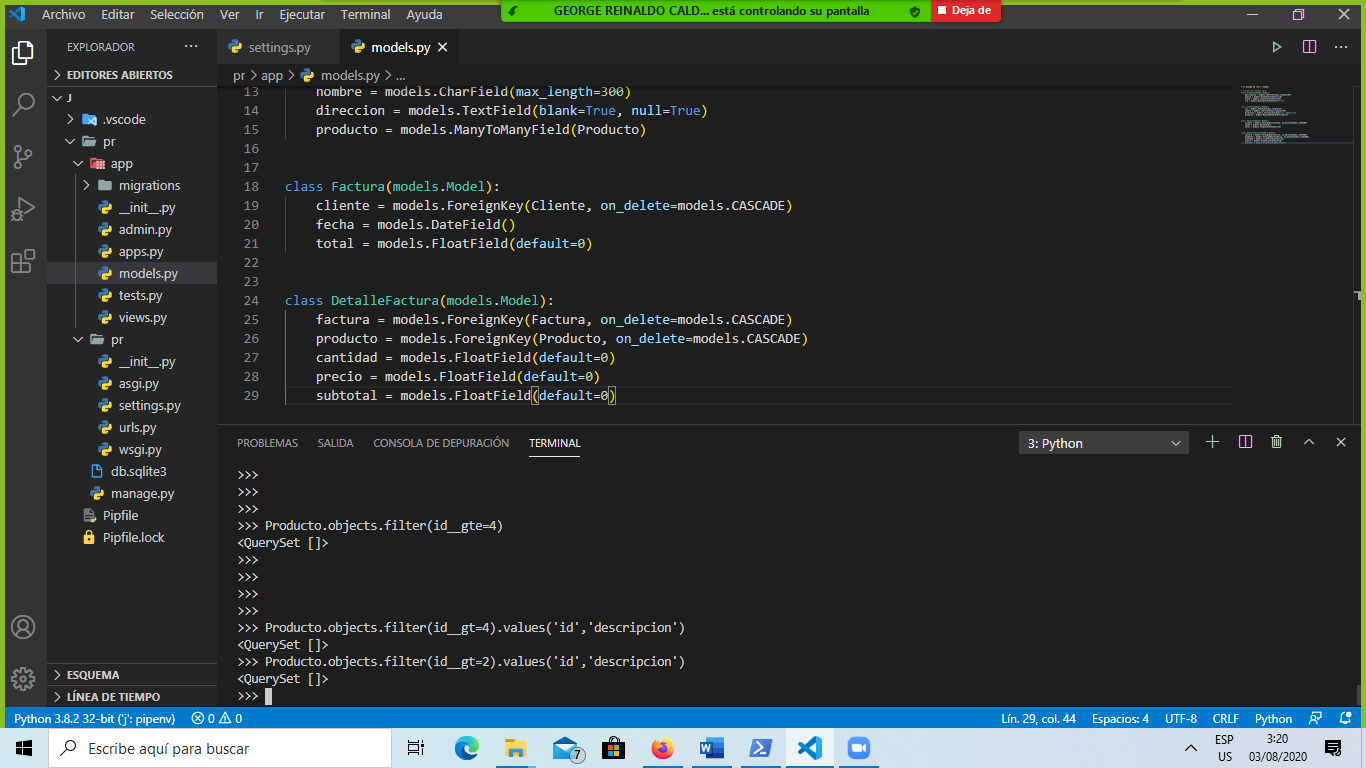


4)Producto.objects.exclude(descripcion\_\_icontains=‘chito’)

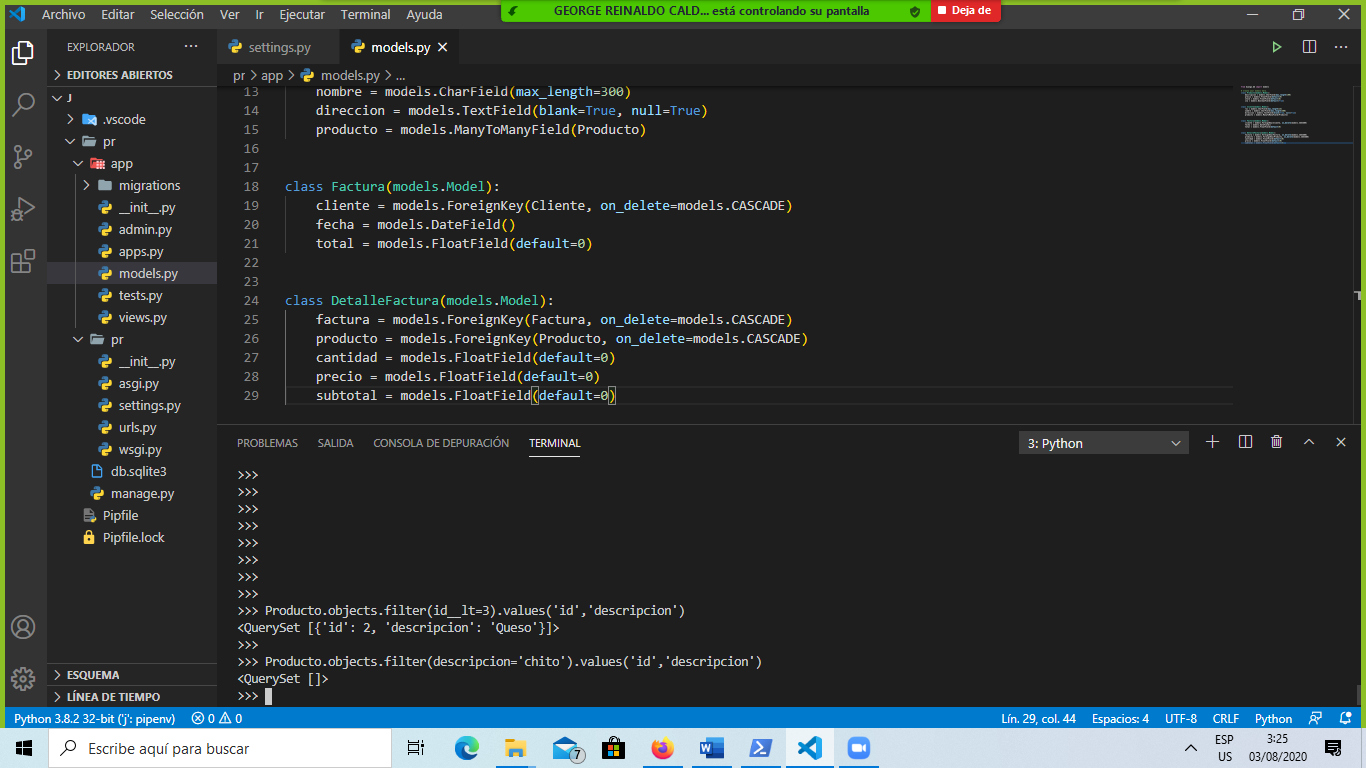
5)Producto.objects.filter(id\_\_gte=4)



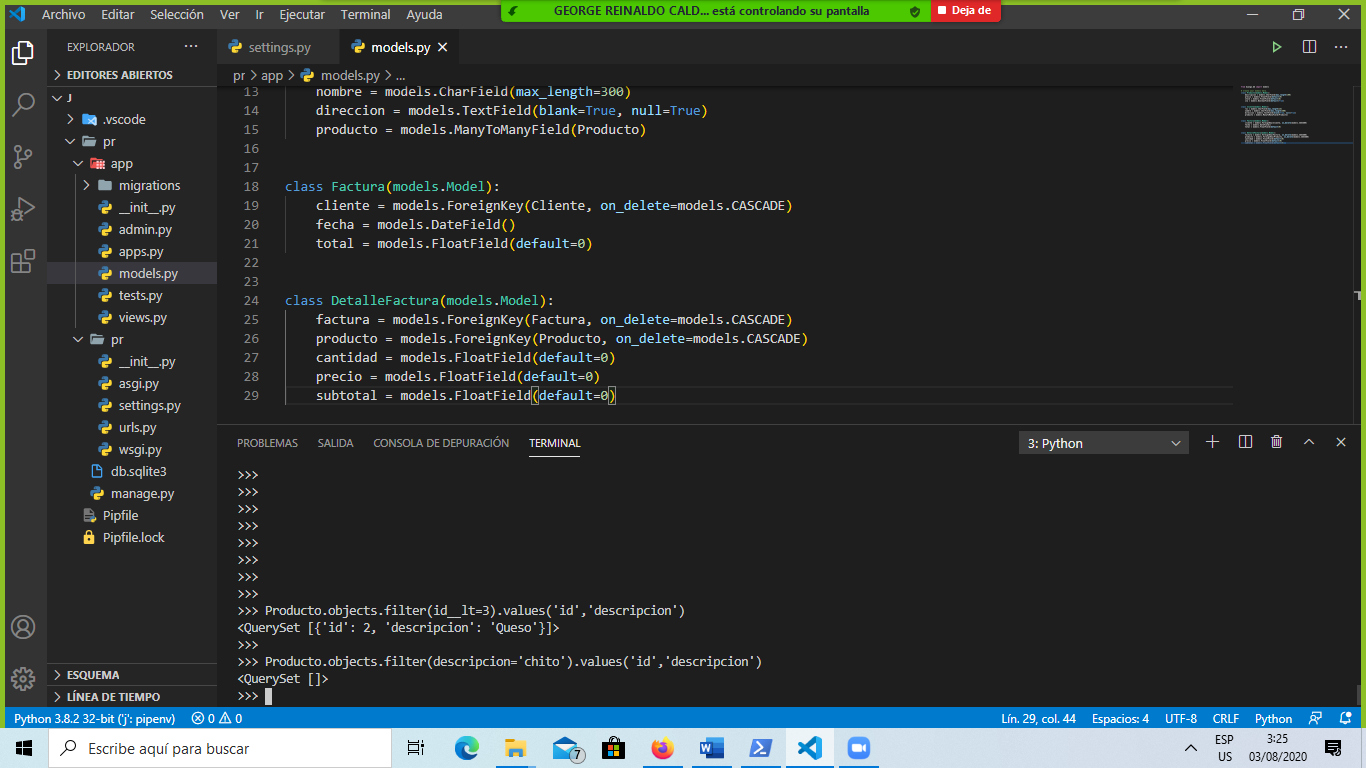
6)Producto.objects.filter(id\_\_gt=4).values('id','descripcion’)



7)Producto.objects.filter(id\_\_lt=4).values('id','descripcion’)

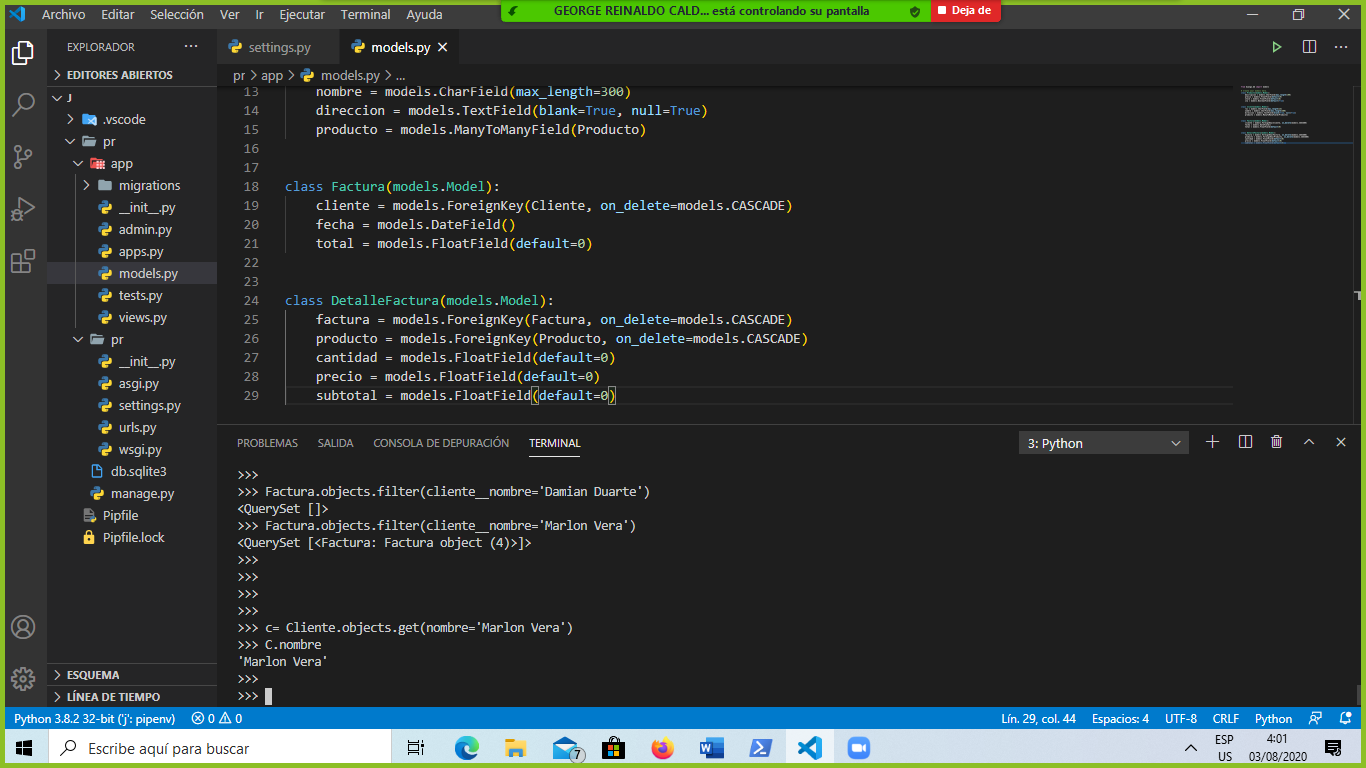


8)Producto.objects.filter(descripcion=‘Coca Cola’).values('id','descripcion’)

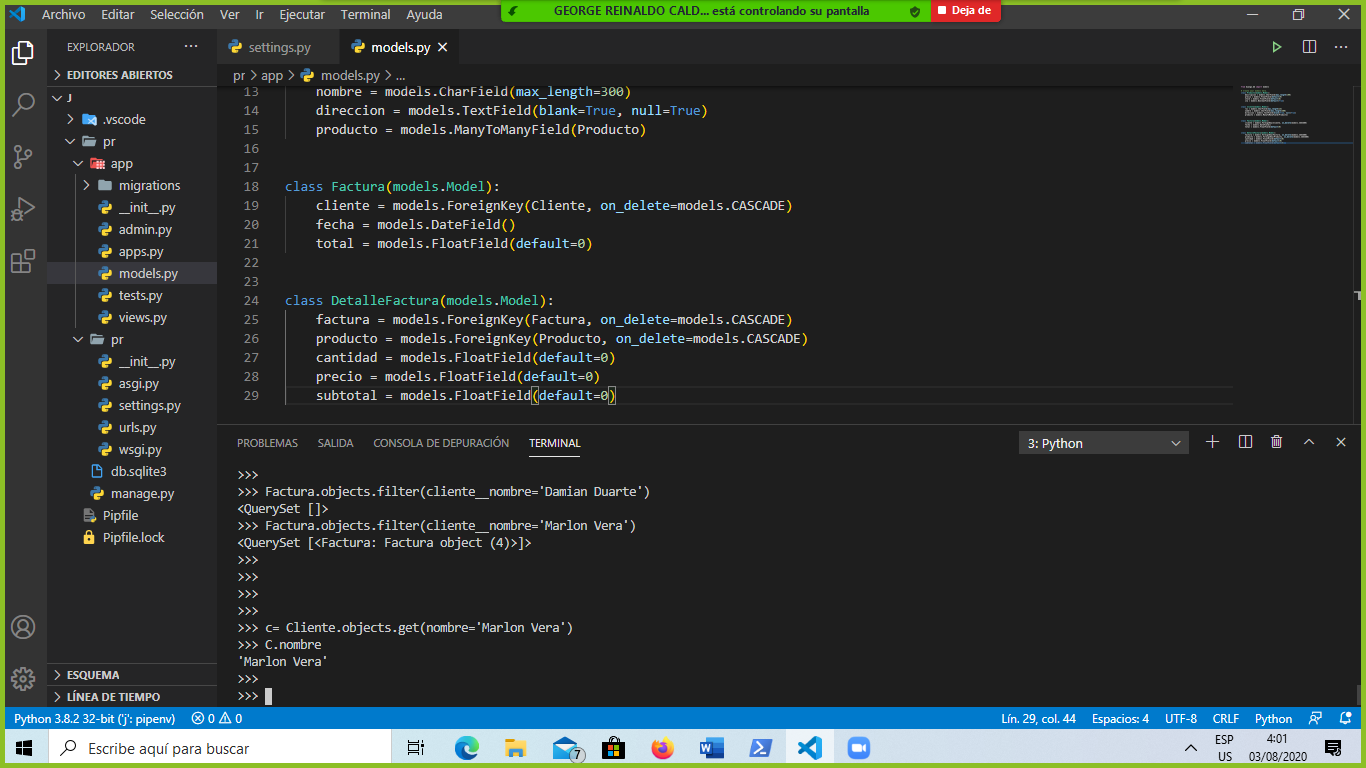


**Querys Relacionados**

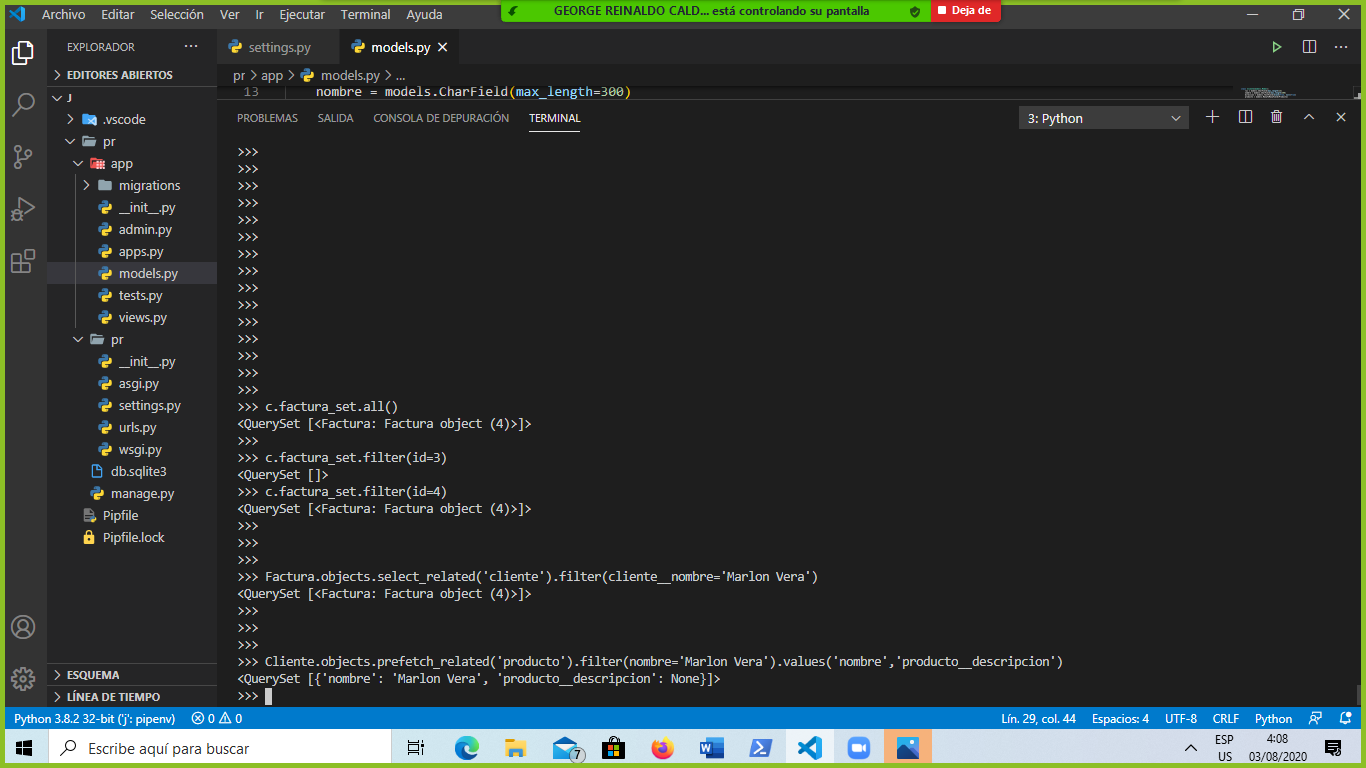
1)Factura.objects.filter(cliente\_\_nombre=’Marlon Vera’)



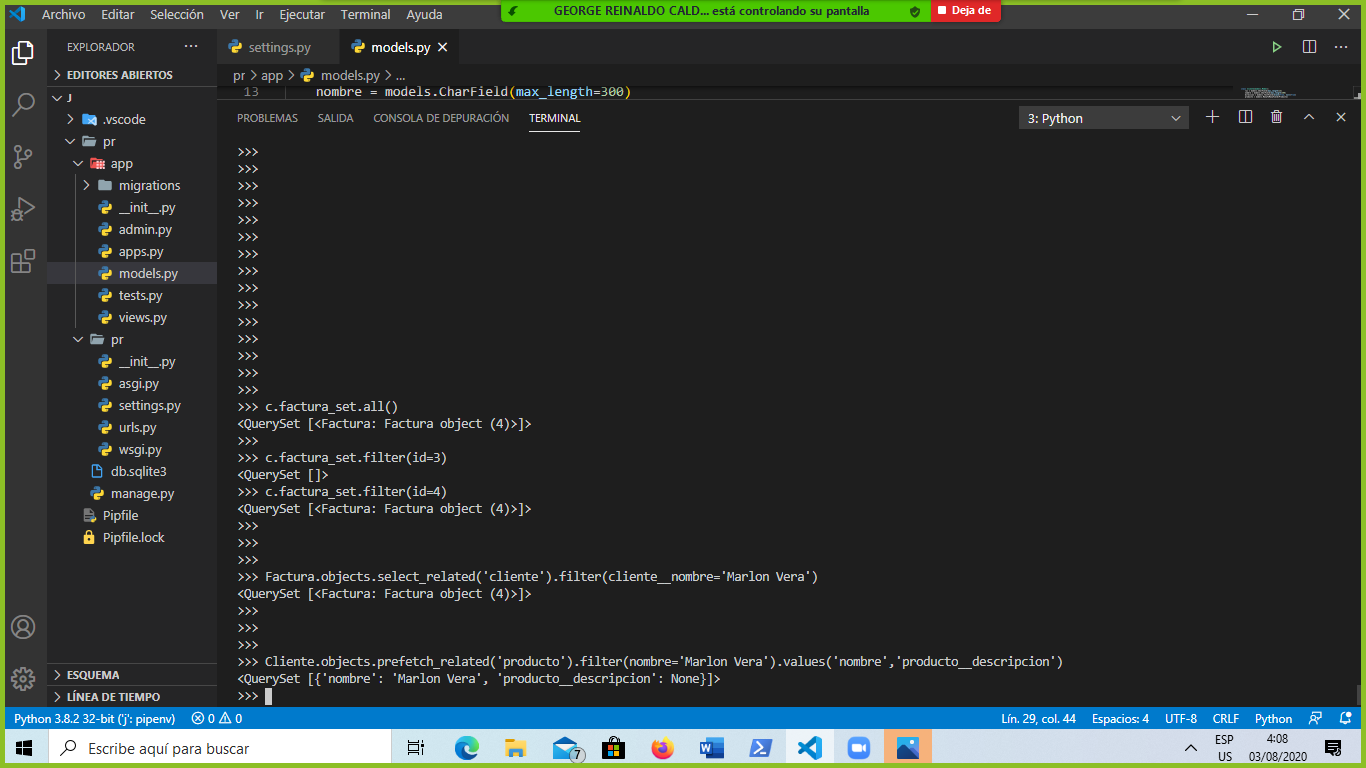
2)c= Cliente.objects.get(nombre=’Marlon Vera')



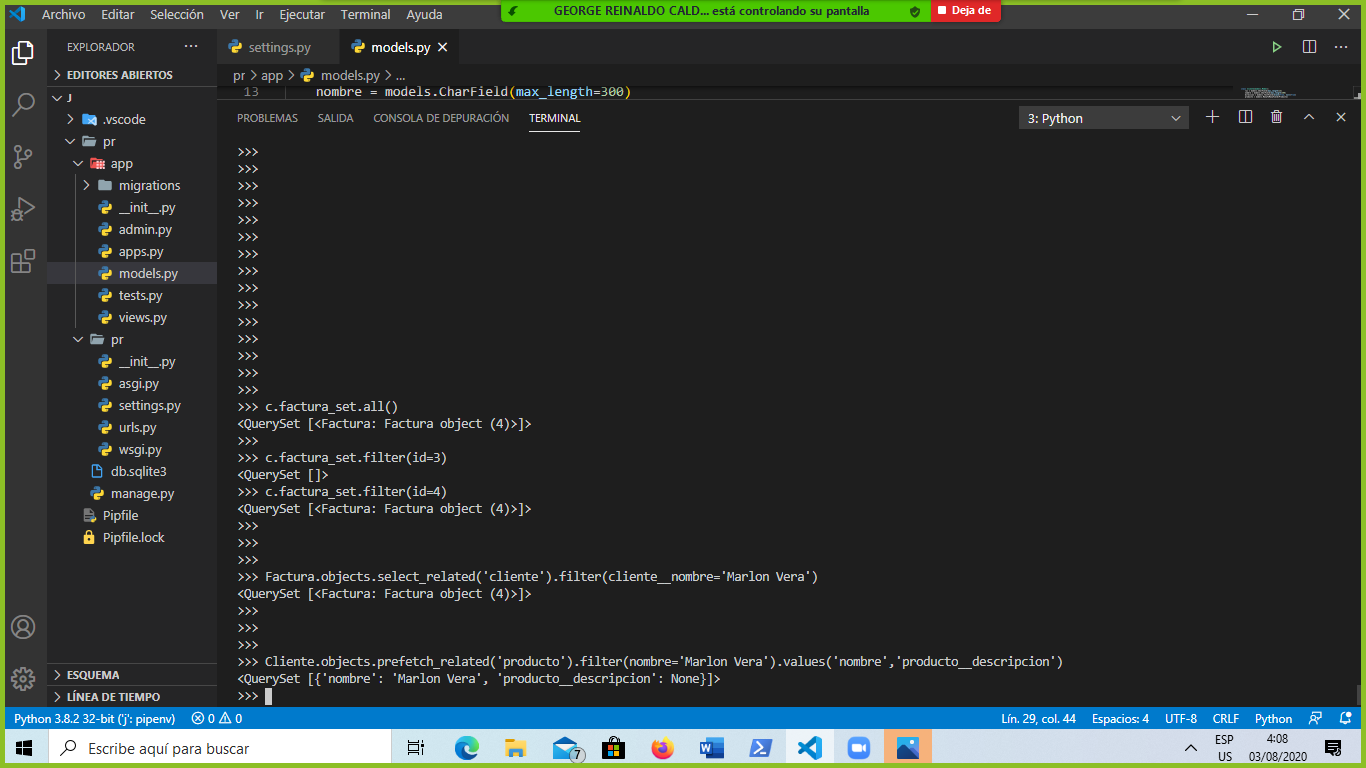
3)c.factura\_set.all()

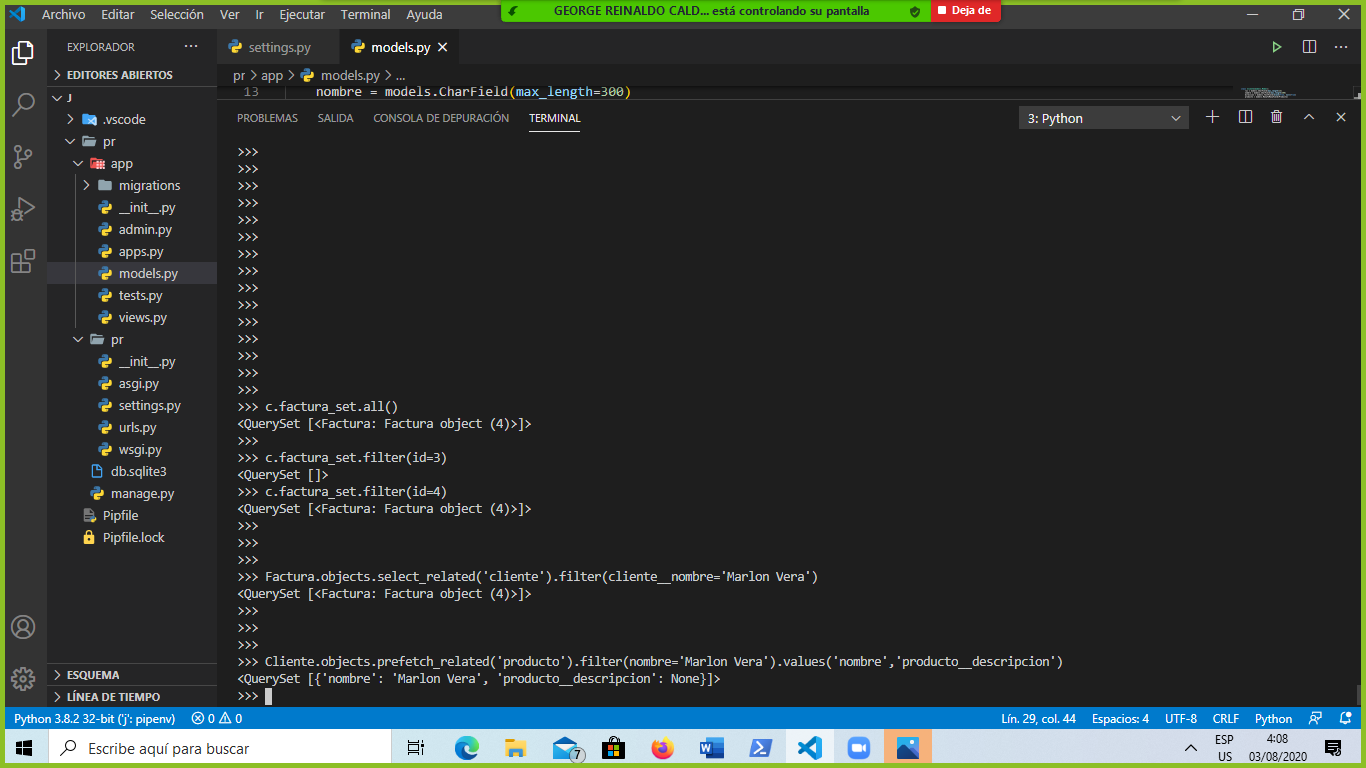


4)c.factura\_set.filter(id=3)



5) Factura.objects.select\_related('cliente').filter(cliente\_\_nombre='Daniel Vera’)



6) Cliente.objects.prefetch\_related('producto').filter(nombre='Daniel Vera').values('nombre','producto\_\_descripcion’)