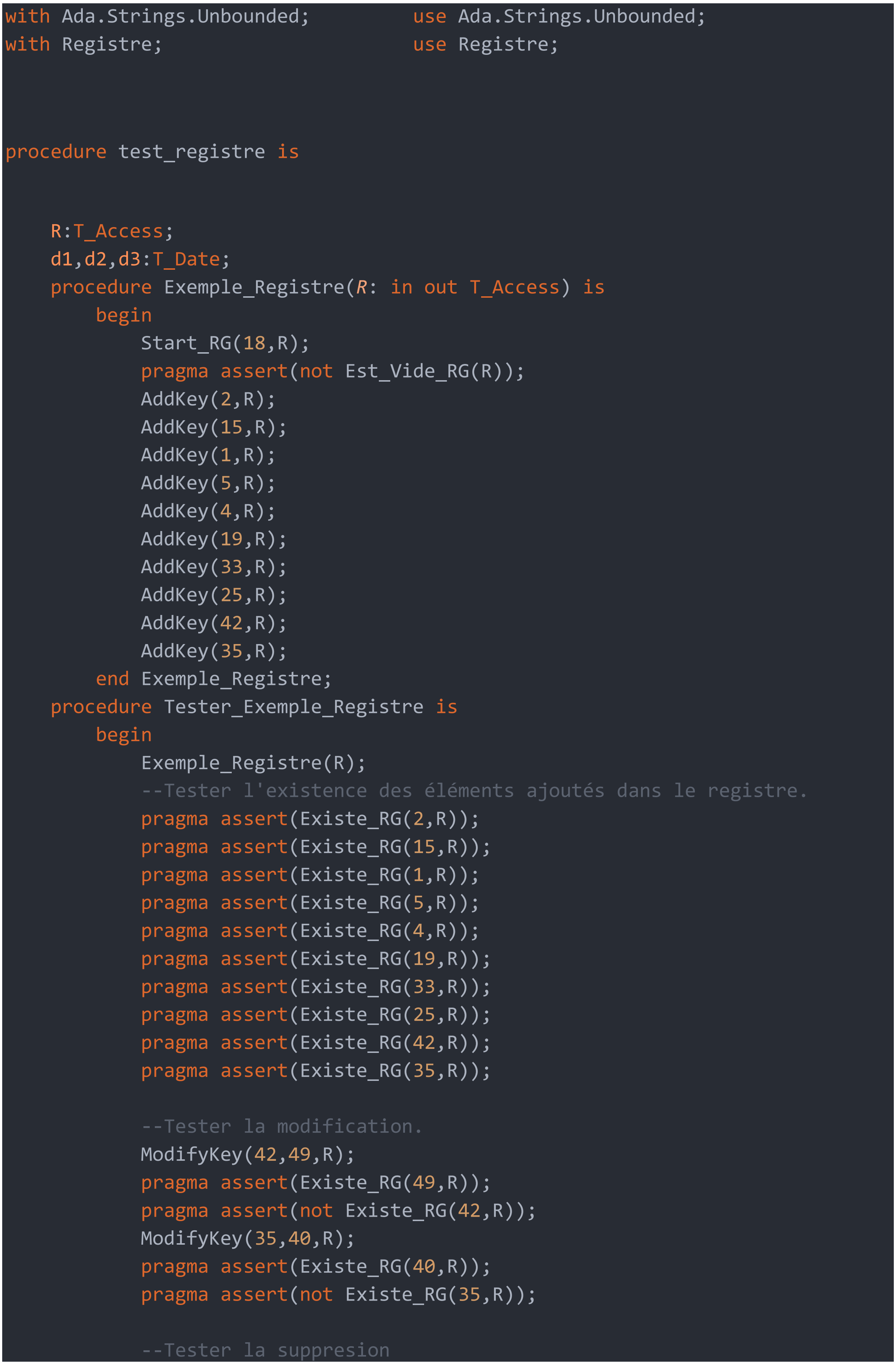
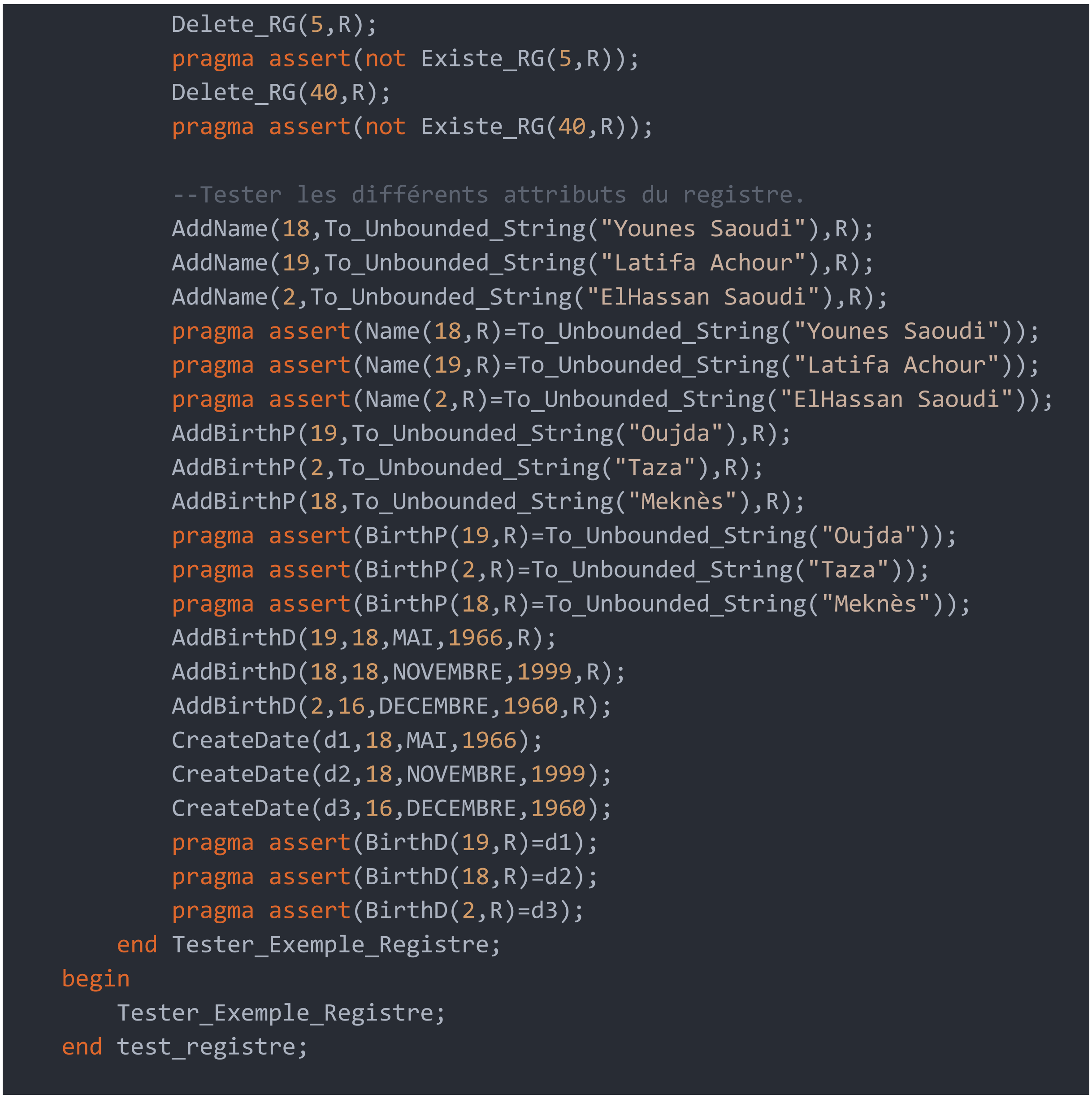


```
with Ada.Strings.Unbounded;         use Ada.Strings.Unbounded;
with Registre;                      use Registre;



procedure test_registre is


    R:T_Access;
    d1,d2,d3:T_Date;
    procedure Exemple_Registre(R: in out T_Access) is
        begin
            Start_RG(18,R);
            pragma assert(not Est_Vide_RG(R));
            AddKey(2,R);
            AddKey(15,R);
            AddKey(1,R);
            AddKey(5,R);
            AddKey(4,R);
            AddKey(19,R);
            AddKey(33,R);
            AddKey(25,R);
            AddKey(42,R);
            AddKey(35,R);
        end Exemple_Registre;
    procedure Tester_Exemple_Registre is
        begin
            Exemple_Registre(R);
            --Tester l'existence des éléments ajoutés dans le registre.
            pragma assert(Existe_RG(2,R));
            pragma assert(Existe_RG(15,R));
            pragma assert(Existe_RG(1,R));
            pragma assert(Existe_RG(5,R));
            pragma assert(Existe_RG(4,R));
            pragma assert(Existe_RG(19,R));
            pragma assert(Existe_RG(33,R));
            pragma assert(Existe_RG(25,R));
            pragma assert(Existe_RG(42,R));
            pragma assert(Existe_RG(35,R));

            --Tester la modification.
            ModifyKey(42,49,R);
            pragma assert(Existe_RG(49,R));
            pragma assert(not Existe_RG(42,R));
            ModifyKey(35,40,R);
            pragma assert(Existe_RG(40,R));
            pragma assert(not Existe_RG(35,R));

            --Tester la suppresion
```



```
        Delete_RG(5,R);
        pragma assert(not Existe_RG(5,R));
        Delete_RG(40,R);
        pragma assert(not Existe_RG(40,R));

        --Tester les différents attributs du registre.
        AddName(18,To_Unbounded_String("Younes Saoudi"),R);
        AddName(19,To_Unbounded_String("Latifa Achour"),R);
        AddName(2,To_Unbounded_String("ElHassan Saoudi"),R);
        pragma assert(Name(18,R)=To_Unbounded_String("Younes Saoudi"));
        pragma assert(Name(19,R)=To_Unbounded_String("Latifa Achour"));
        pragma assert(Name(2,R)=To_Unbounded_String("ElHassan Saoudi"));
        AddBirthP(19,To_Unbounded_String("Oujda"),R);
        AddBirthP(2,To_Unbounded_String("Taza"),R);
        AddBirthP(18,To_Unbounded_String("Meknès"),R);
        pragma assert(BirthP(19,R)=To_Unbounded_String("Oujda"));
        pragma assert(BirthP(2,R)=To_Unbounded_String("Taza"));
        pragma assert(BirthP(18,R)=To_Unbounded_String("Meknès"));
        AddBirthD(19,18,MAI,1966,R);
        AddBirthD(18,18,NOVEMBRE,1999,R);
        AddBirthD(2,16,DECEMBRE,1960,R);
        CreateDate(d1,18,MAI,1966);
        CreateDate(d2,18,NOVEMBRE,1999);
        CreateDate(d3,16,DECEMBRE,1960);
        pragma assert(BirthD(19,R)=d1);
        pragma assert(BirthD(18,R)=d2);
        pragma assert(BirthD(2,R)=d3);
    end Tester_Exemple_Registre;
begin
    Tester_Exemple_Registre;
end test_registre;
```