```ada
WITH Ada.Text_IO;
WITH Ada.Float_Text_IO;
WITH Ada.Numerics.Elementary_Functions;
USE  Ada.Numerics.Elementary_Functions;

PROCEDURE Distance_between_Points IS
    TYPE Point IS RECORD
        X : Float;
        Y : Float;
    END RECORD;

    Point1 : Point;
    Point2 : Point;
    Distance : Float;

    BEGIN
        Ada.Text_IO.Put(Item => "Enter X Coordinate for Point 1 >");
        Ada.Float_Text_IO.Get(Item => Point1.X);
        Ada.Text_IO.Put(Item => "Enter Y Coordinate for Point 1 >");
        Ada.Float_Text_IO.Get(Item => Point1.Y);
        Ada.Text_IO.Put(Item => "Enter X Coordinate for Point 2 >");
        Ada.Float_Text_IO.Get(Item => Point2.X);
        Ada.Text_IO.Put(Item => "Enter Y Coordinate for Point 2 >");
        Ada.Float_Text_IO.Get(Item => Point2.Y);
        Distance := Sqrt((Point1.X-Point2.X) ** 2 + (Point1.Y-Point2.Y) ** 2);
        Ada.Text_IO.Put(Item => "The distance between the points is ");
        Ada.Float_Text_IO.Put(Item => Distance, Fore=>1, Aft=>2,Exp=>0);
        Ada.Text_IO.New_Line;
    END Distance_between_Points;
```