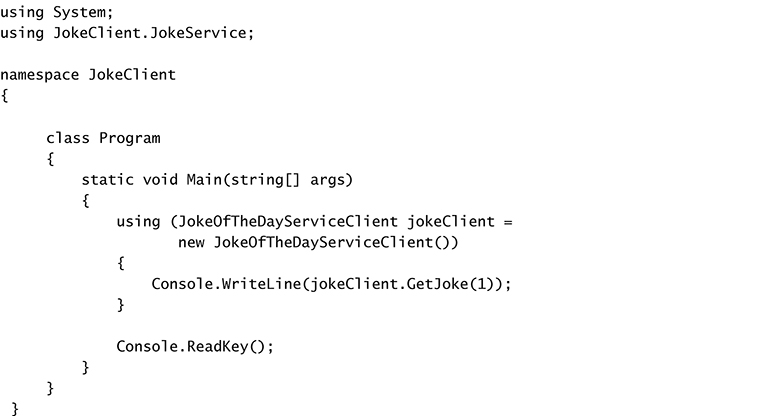
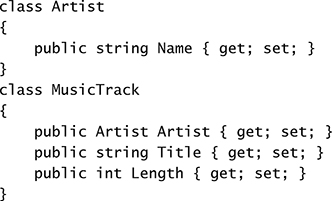
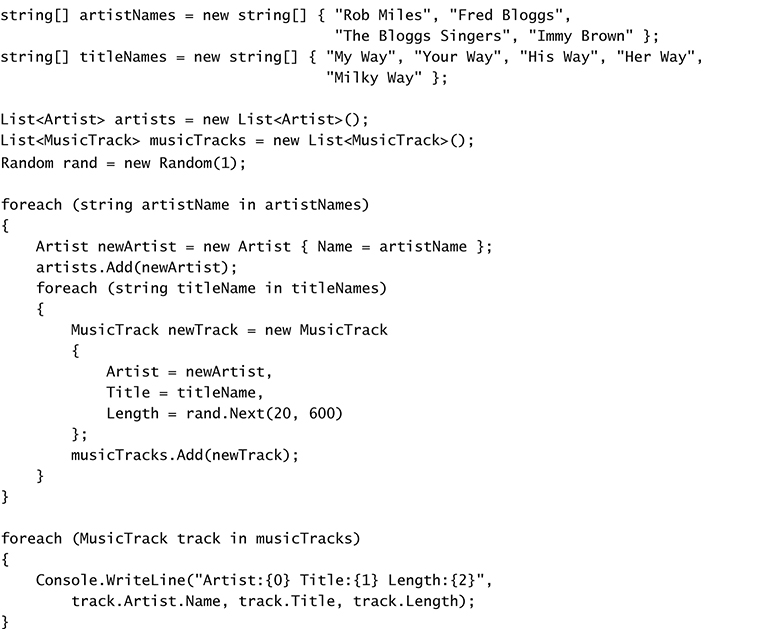
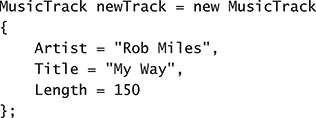
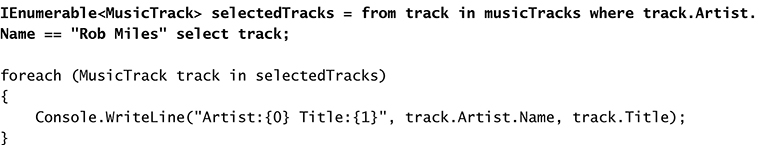


[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_28)

[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0351_01)

[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_29)

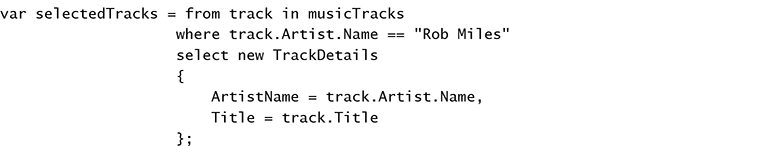
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0352_01)

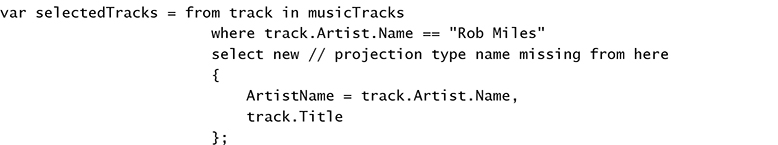
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_30)

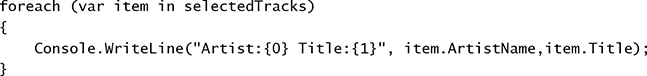
[Image](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_31)

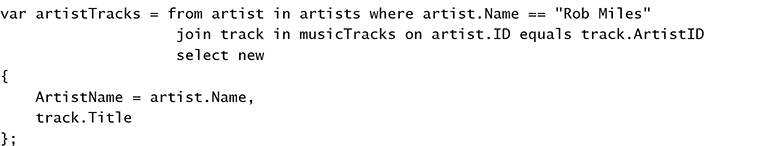
[Image](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0353_01)

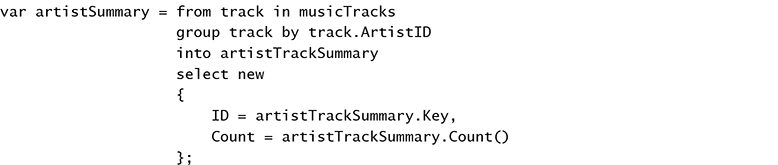
[Image](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_32)

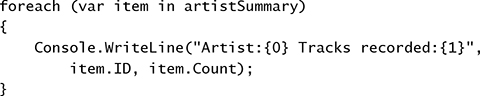
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_33)

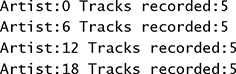
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_34)

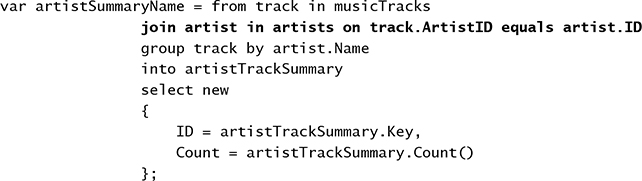
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0355_01)

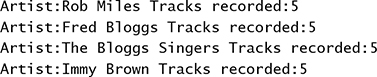
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_35)

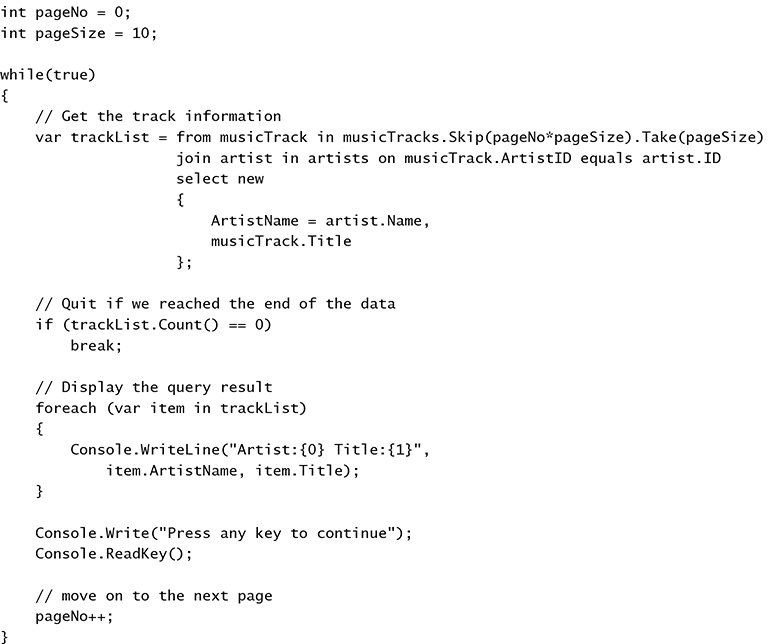
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_36)

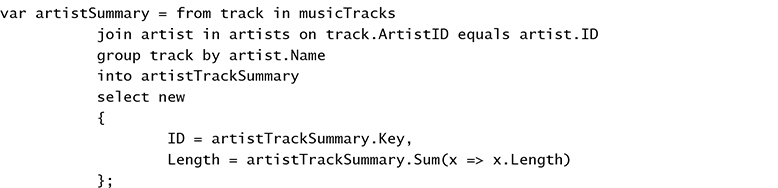
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0357_01)

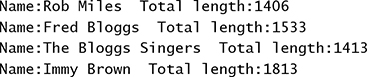
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0357_02)

[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0357_03)

[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0358_01)

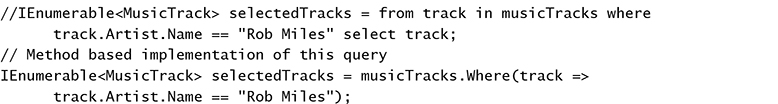
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_37)

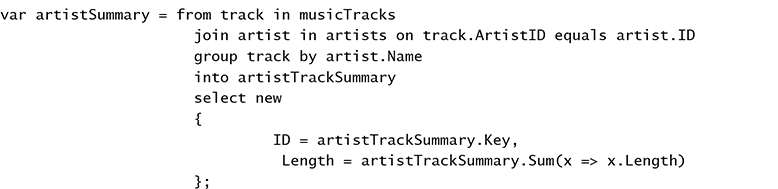
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_38)

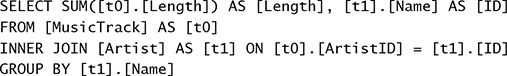
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0359_01)

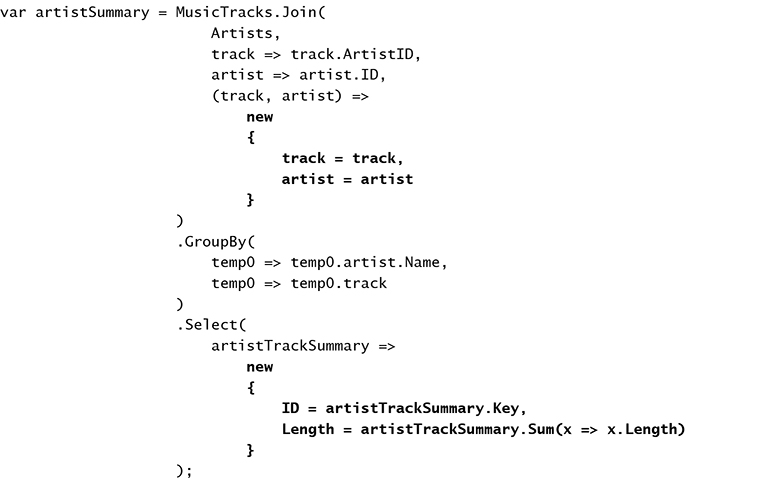
[Image](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0359_02)

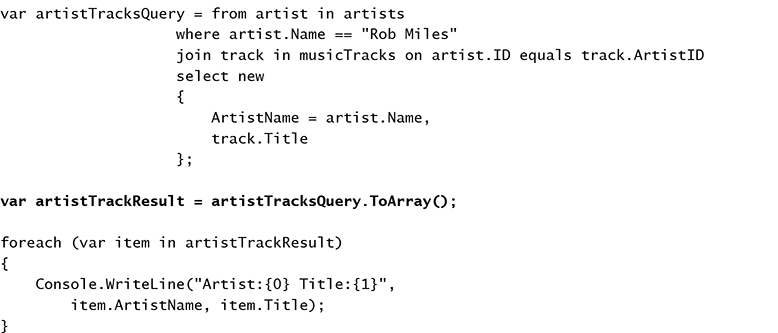
[Image](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0360_01)

[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_39)

[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_40)

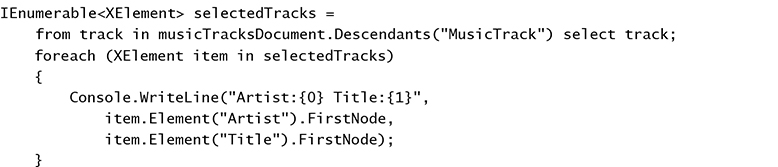
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0361_01)

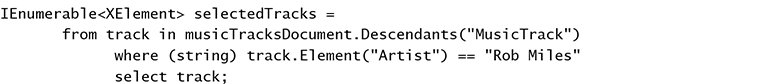
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_41)

[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_42)

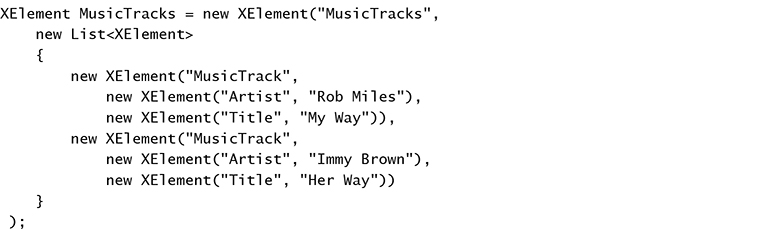
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0363_01)

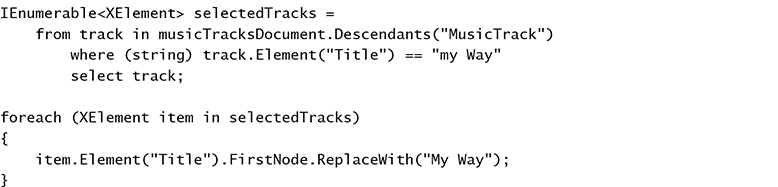
[Image](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0363_02)

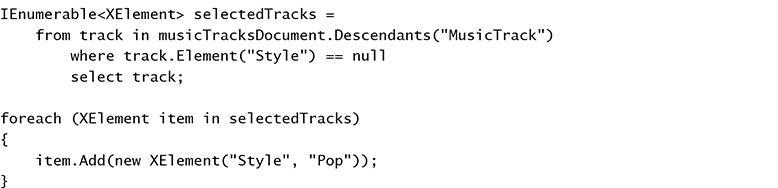
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_43)

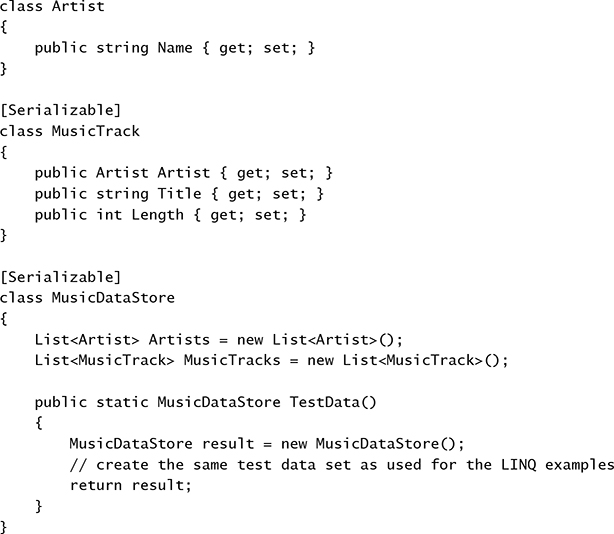
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_44)

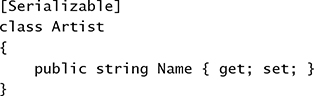
[Image](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0364_01)

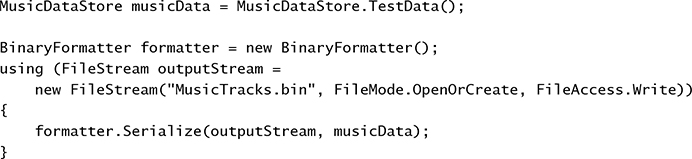
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_45)

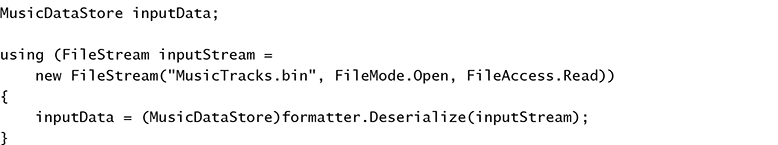
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_46)

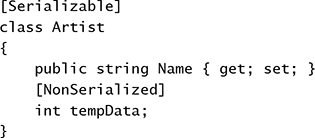
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_47)

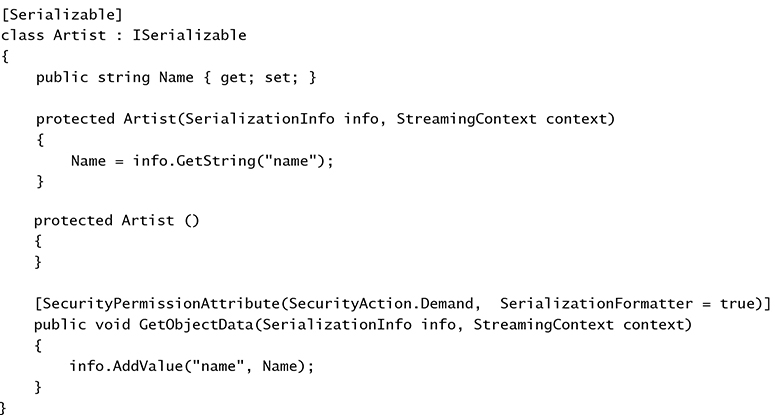
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0366_01)

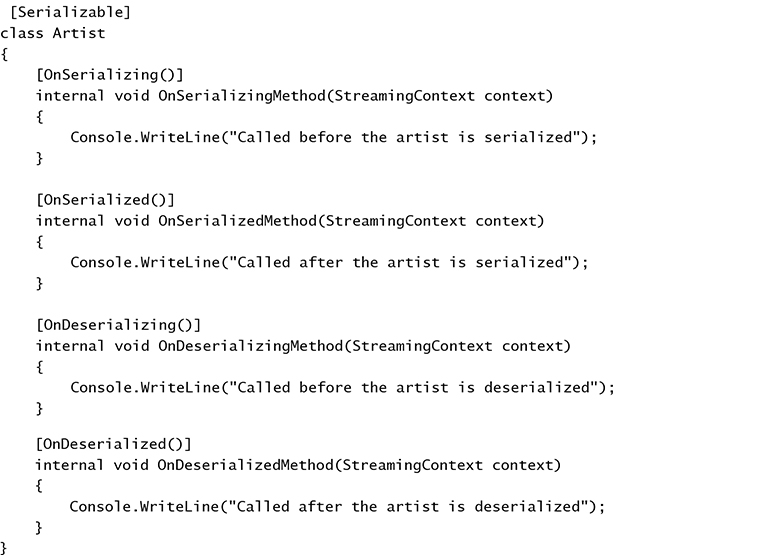
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0367_01)

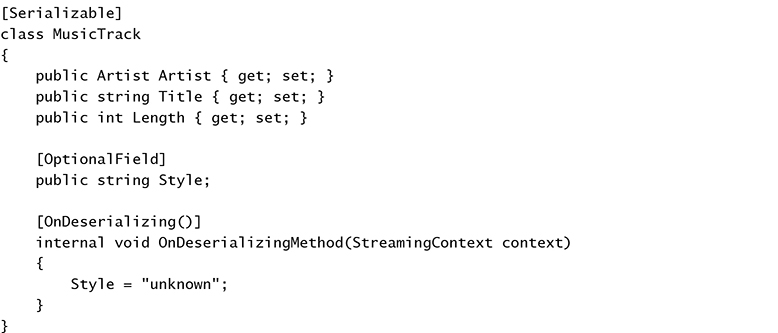
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0367_02)

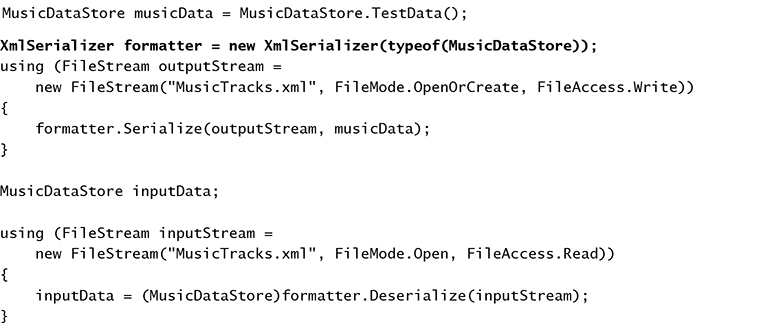
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_48)

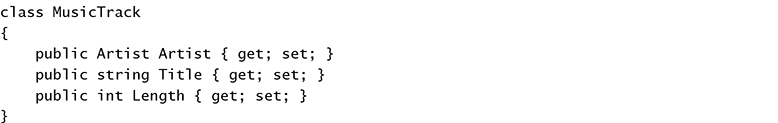
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0368_01)

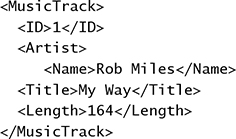
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_49)

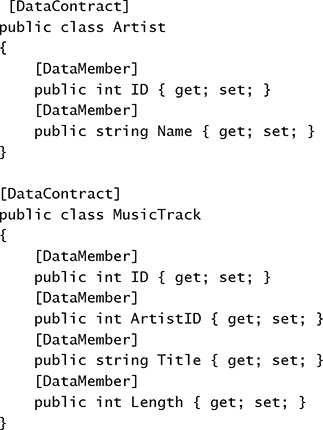
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_50)

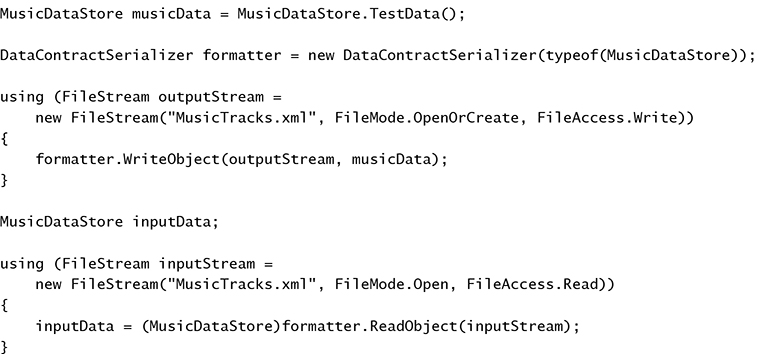
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_51)

[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_52)

[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_53)

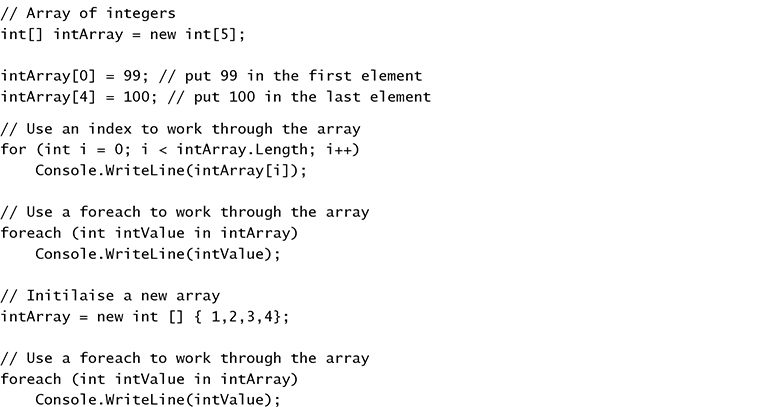
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0371_01)

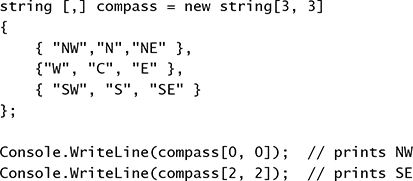
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0372_01)

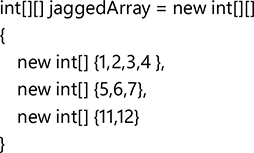
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_54)

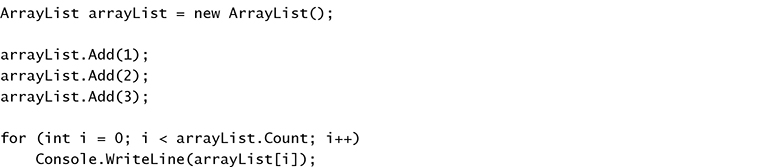
[Image](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0374_01)

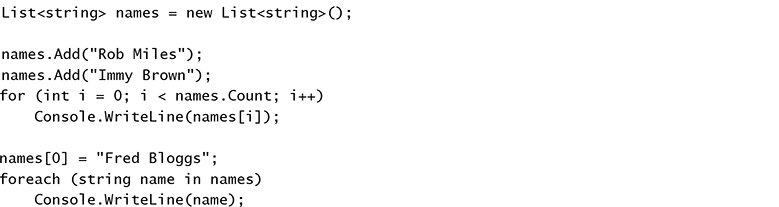
[Image](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0374_02)

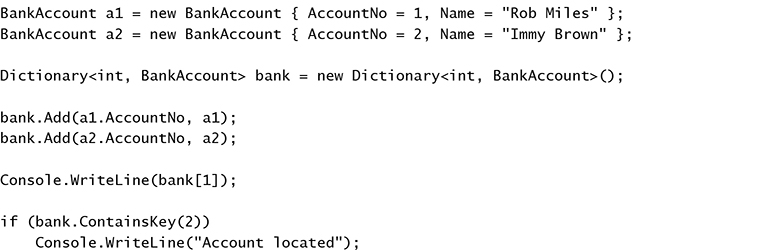
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_55)

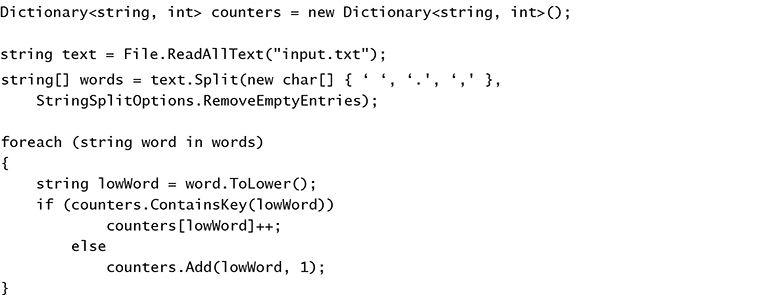
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0375_01)

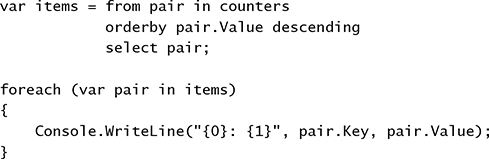
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0375_02)

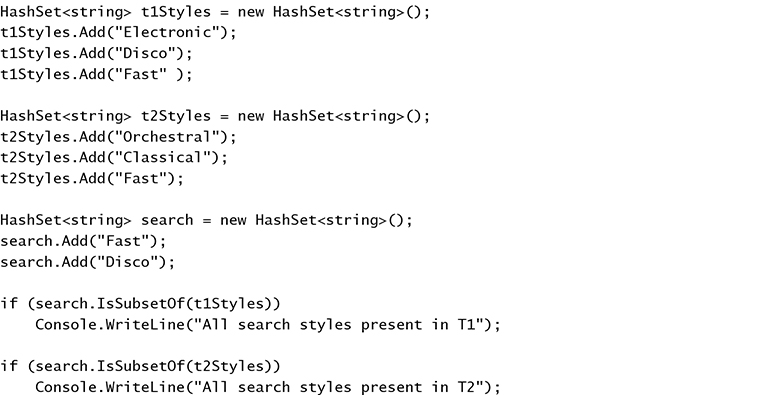
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_56)

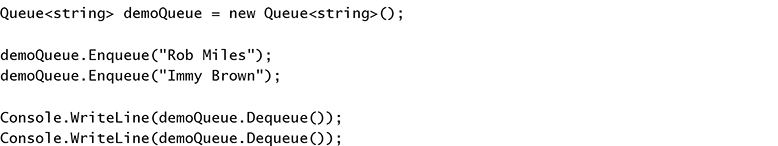
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_57)

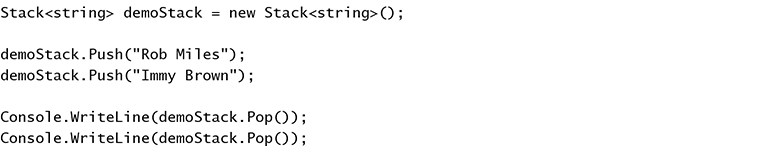
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_58)

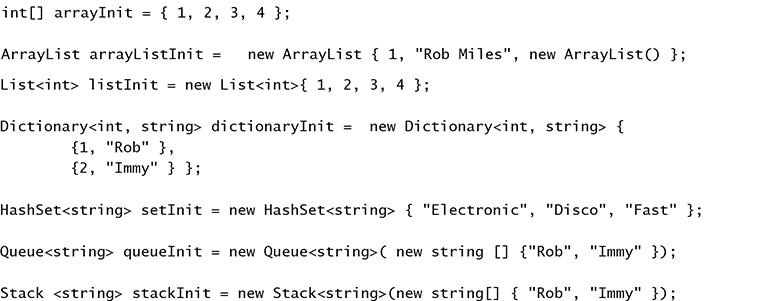
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_59)

[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0378_01)

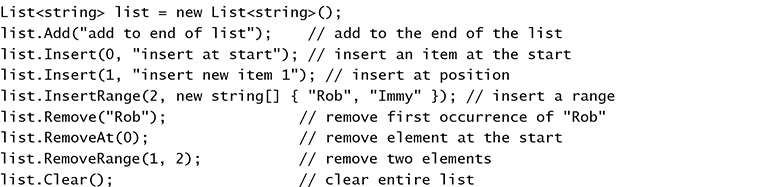
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_60)

[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_61)

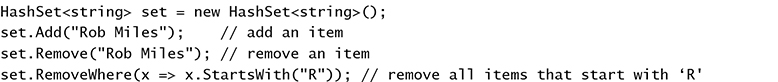
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_62)

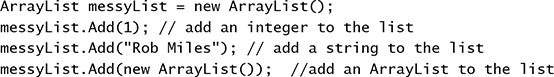
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_63)

[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_64)

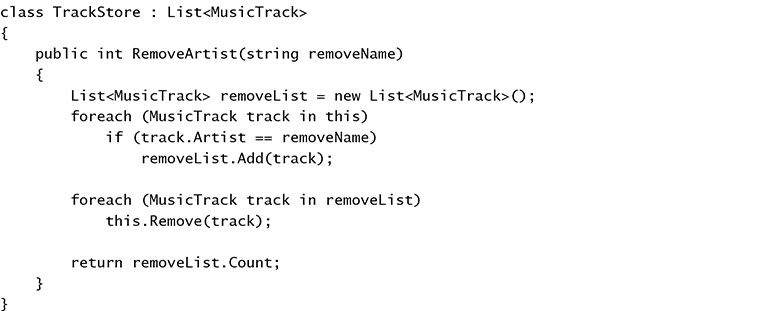
[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_65)

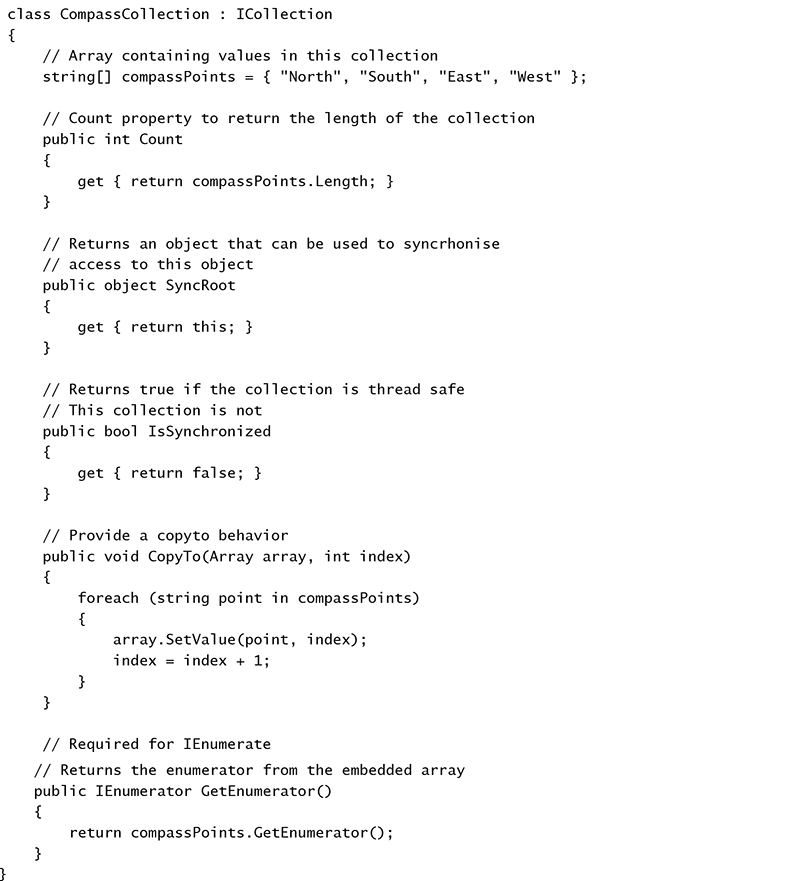
[Image](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_66)

[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_67)

[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0382_02)

[Image](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#ap0382_03)

[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_68)

[](https://learning.oreilly.com/library/view/Exam+Ref+70-483+Programming+in+C,+Second+Edition/9780134891804/chapter4.xhtml#a04lis_69)