**Lesson 11**

**Plan of the lesson**

* Implement code access security to improve the security of a.NET Framework application. (Refer *System.Security* namespace)
  + *SecurityManager* class
  + *CodeAccessPermission* class
  + Modify the Code Access Security Policy at the computer, user, and enterprise level by using the Code Access Security Policy tool (Caspol.exe).
  + *PermissionSet* class and *NamedPermissionSet* class
  + Standard Security interfaces
* Control permissions for resources by using the *System.Security.Permission* classes. (Refer *System.Security.Permission* namespace)
  + *SecurityPermission* class
  + *PrincipalPermission* class
  + *FileIOPermission* class
  + *StrongNameIdentityPermission* class
  + *UIPermission* class
  + *UrlIdentityPermission* class
  + *PublisherIdentityPermission* class
  + *GacIdentityPermission* class
  + *FileDialogPermission* class
  + *DataProtectionPermission* class
  + *EnvironmentPermission* class
  + *IUnrestrictedPermission* interface
  + *RegistryPermission* class
  + *IsolatedStorageFilePermission* class
  + *KeyContainerPermission* class
  + *ReflectionPermission* class
  + *StorePermission* class
  + *SiteIdentityPermission* class
  + *ZoneIdentityPermission* class
* Control code privileges by using *System.Security.Policy* classes. (Refer *System.Security.Policy* namespace)
  + *ApplicationSecurityInfo* class and *ApplicationSecurityManager* class
  + *ApplicationTrust* class and *ApplicationTrustCollection* class
  + [*Evidence*](http://microsofteref.books24x7.com/viewer.asp?bkid=14336&destid=2369#2369) class and *PermissionRequestEvidence* class
  + *CodeGroup* class, *FileCodeGroup* class, *FirstMatchCodeGroup* class, *NetCodeGroup* class, and *UnionCodeGroup* class
  + *Condition* classes
  + *PolicyLevel* class and *PolicyStatement* class
  + *IApplicationTrustManager* interface, *IMembershipCondition* interface, and *IIdentityPermissionFactory* interface