```
Base
                          class Derived:
                                                                class Derived02:
                                                                                           Derived
class Base
£
                                                                  int K;
                            int A:
 int X;
                                                                protected:
                           Protected:
Protected:
                                                                  lut L:
                             int B;
 int Y:
                                                                 Public:
                           Public:
public:
                                                                   int M:
                             int C;
  int Z:
                                                                 Derived2 ( .... ) []
                              Derived (int a, int b, int c,
                              int a int b , int c):...
                                                                 int Finn ()
  Base (int x,int y,int E)
                                                                 E return K+L
  int Fun ()
                              int Fun()
               X+V
   { return
                              Eroturn A+
               Y+V
               2:3
                                                                           X+X
                                                                            4+
                                                                                 depends on inheritance type
int Main ()
                                       Z:31
                                                                                 depends on inheritance type
                                                                3;
                             3;
                                                 Derivedo2 03
 Base 01;
                         Derived 02;
                                                                                                     6. Regardless of Inheritance Type
                                                 03.X = X
                         02.X = X
01. X = X
                                                 03.E depends on inheritance type
                                                                                                        1. Public , Public
                         02.Y = X
01.Y= X
                         02.2 depends on Inheritance type
                                                                                                        2. Protected, Protected
01.7=1
                                                                                                        3. Private , Private
                                                 03.B=
                         02.A=X
1;
                         02.B= X
                                                 03.0 = depends on Inheritance type
                                                                                                        4. Public , Private
                         02.0=~
                                                 03. K= >
                                                                                                        5. Protected , Public
                         2'
                                                 03.L= 1
                                                                                                        6- private , protected
                                                 03.W = 1
                                                                                                         7- private , public
                                                                                                        8- protected ,private
                                                                                                         9- public , protected
```

```
Base
                        class Derived:
                                                          class Derivedo2 :
                                                                                  Derived
class Base
                                                           int K;
                          int A:
 int X :
                                                          protected:
                         Protected:
Protected:
                                                            Int L: B. Y
                          int B: Y
 int Y:
                                                           Public:
                        Public:
public:
                                                             lut M; ,C, Z
                           int C; . Z
 int E:
                                                          Derived 2 ( .... ) []
                           Derived (int a, int b, int c.
                           inta intb, into):...
                                                           int Fun ()
  Base (int x, int y, int E)
                           [.....]
                                                           E roturn K+ V
  int Fun ()
                           int Fun()
   E roturn
             X+V
                           Eroturn A+L
                                                                    A++
              YH
                                   BIL
                                                                    B + L
              2:10
                                   C+ L
                                                                    C+ V
3;
                                                                    X+X
                                   X+ X
                                                                    4+1
                                   Y. V
int Main ()
                                                                    2:12
                                                          3;
                           3;
                                             Derivado2 03
 Base O1;
                      Derived 02:
                                            X=XEO
01. X = X
                      02.X = X
                                            03.Y = X
                                                                                              1. Public, Public
01.4= X
                      02.Y = X
                                            03.2=1/
                                                                                              2. Protected, Protected
                      02.2=2
01.7= -
                                             03.A= X
                                            03.B= X
                                                                                              3. Private, Private
                      02.A=X
1:
                      02.B= X
                                                                                              4. Public, Private
                                            03 K= X
                      02.0= 1
                                                                                              5. Protected , Public
                                            03.L=X
                                                                                              6- private ,protected
                                            03 M = L
                                                                                               7- private , public
                                                                                              8- protected , private
                                                                                               9- public ,protected
```

```
Base
                                                          class Derived02:
                                                                                  Derived
                        class Derived:
class Base
                                                            int K;
                          int A:
 int X:
                                                           protected:
                         Protected:
Protected:
                                                            INT LI, B, Y, E, C
                          IN+ B; N, Z
 int Y:
                                                           Public:
                        Public:
public:
                                                             int W:
                           Int C;
 int Z:
                                                           Derived2 ( ..... ) []
                           Derived (int a, int b, int 6,
                           int a , int b , int c) ....
                                                           int Fun ()
  Base (int x, int y, int e)
                           [.....]
                                                           E return K+ L
  int Fun ()
                           int Fun()
   E return
              X+V
                                                                    A++
                           Eroturn A+L
              You
                                   BOU
              主:
                                   C+ L
3:
                                                                     x+x
                                   X+ X
                                                                     4+1
int Main ()
                                                                     とけい
£
                                                          1:
                           3:
                                             Derivedo2 03
 Base O1;
                       Derived 02:
                                             03.X = X
01. X = X
                       02X = X
                                            03,Y = X
                                                                                              1. Public , Public
01.Y= X
                       02.Y = X
                                            03.E = X
                                                                                           2. Protected, Protected
                                            03.A= X
                       02.Z=X
01.7= ~
                                            03.B=X
                       02A=X
                                                                                              3. Private, Private
1:
                                            03.C=X
                       02.B= X
                                                                                              4. Public , Private
                       020=
                                            03. K= X
                                                                                              5. Protected , Public
                       2
                                            03.L=X
                                                                                              6- private ,protected
                                            03.W = V
```

3:

7- private ,public

8- protected ,private 9- public ,protected

```
Base
                                                           class Derivedo2 :
                                                                                    Perived
                         class Derived:
class Base
                                                             int K; B, C
                          Int A: Y . Z
 int X;
                                                            protected:
                         Protected:
Protected:
                                                             but L:
                          int B:
 int Y;
                                                            Public :
                         Public:
public :
                                                              int M:
                           lut C;
                                                            Derived2 ( .... ) []
  int E:
                           Derived (int a, int b, int c.
                            int a lint b . int c) ....
                                                            INT FUN ()
  Base (int x, int y, int E)
                            £ ......}
                                                            Ereturn K+ L
  int Fam ()
                            int Fam()
                                                                     MeL
   £ return
              X+V
                            { return A + W
                                                                     A++
              YAL
                                    BOU
              えけん
3;
                                                                      x+x
                                    X. X
                                                                      Y+X
                                    Y . .
int Main ()
                                                                      E : X
                           3:
                                             Periyedoz 03
 Base O1;
                       Derived 02;
                                             X=XEO
01. X = X
                       02.x = x
                                             03.Y = X
                                                                                                1. Public , Public
01.Y= X
                       02.Y = X
                                             03.E = X
                                                                                                2. Protected, Protected
                       02.2=X
01.2= -
                                             03.B = X
                                                                                            3. Private . Private
                       02.A=X
1:
                                             03.C=X
                       02.B= X
                                                                                                4. Public, Private
                       02.C=V
                                             03. K= X
                                                                                                5. Protected , Public
                       2'
                                             03.L=X
                                                                                                6- private ,protected
                                             03.W = V
                                                                                                 7. private ,public
                                             3:
                                                                                                 8- protected ,private
                                                                                                 9- public ,protected
```

```
Base
                        class Derived:
                                                         class Derived02:
                                                                                  Derived
class Base
                                                           int K. B. Y. C. Z
                         int A:
 int X:
                                                          protected:
                        Protested:
Protected:
                                                            int L:
                          int B: . Y
 int Y:
                                                           Public:
                        Public:
public :
                                                            int M:
                          int C: , Z
 int Z:
                                                          Derived2 ( .... ) []
                          Derived (int a,int b,int c,
                           inta intb intc)....
                                                           int Fun ()
  Base (int x, int y, int z)
                                                           E return K+ L
  int Fun ()
                           int Fun()
   & return
              X+V
                           Ereturn A + W
                                                                    A++
              YHU
                                   B+ V
              23
3;
                                                                    x+x
                                   X + X
                                                                    Y+V
int Main ()
                                                                    Edv
                          3;
                                            Derivedo2 03
 Base O1:
                      Derived 02:
                                            X=XEO
01. X = X
                      02X = X
                                            03.Y = X
                                                                                             1. Public , Public
01.Y= X
                      02.Y = X
                                            03.2 = X
                                                                                              2. Protected , Protected
                      02.2=1
01.2= -
                                            03A= X
                      02.A=X
                                                                                              3. Private, Private
                                            03.8= X
1;
                                            03.C= X
                      02.B= X
                                                                                            4. Public, Private
                      02.C=V
                                            03. K= X
                                                                                              5. Protected , Public
                      2
                                            03.L=X
                                                                                              6- private ,protected
                                            03.M = V
                                                                                               7- private , public
                                            3:
                                                                                              8- protected ,private
                                                                                               9- public ,protected
```

```
class Perived :
                                               Base
                                                          class Derived02 :
                                                                                  Derived
class Base
                                                           int K:
                          INT A:
 int X:
                                                          protocted:
                        Protected:
Protected:
                                                            het L: , B , Y , Z
                          IN+ B; , Y , Z
 int Y:
                                                           Public:
                        Public:
public:
                                                            wt M; , C
 15 thi
                                                          Derived 2 ( .... ) []
                          Derived (int a,int b,int a,
                           inta intb , into) ....
                                                           int Fun ()
  Base (int x, int y, int E)
                                                           { roturn K+ V
  int Fun ()
                           int Fun()
                                                                   M+V
   & return
             XXV
                           Ereturn A + L
                                                                    A++
              Y+V
                                   8.0
              2:1
                                   C+ L
1:
                                                                    x+x
                                   X +X
                                                                    Y+1
int Main ()
                                                                    tilV
                                                         3;
                          3;
                                            Derivado2 03
 Base O1;
                      Derived 02:
                                            X=XEO
01. X = X
                      02X = X
                                            03.Y = X
                                                                                             1. Public , Public
01.Y= X
                      02.Y = X
                                            03.2 = X
                                                                                              2. Protected, Protected
                      02.2=X
                                            03.A= X
01.7= -
                      02A=X
                                                                                              3. Private, Private
                                            03.B=X
                      02.B= X
                                            03.0= ~
                                                                                             4. Public, Private
                      02.C= V
                                            03. K= X
                                                                                          5. Protected , Public
                      2'
                                            03.L=X
                                                                                              6- private ,protected
                                            03 M = V
                                                                                               7- private , public
                                                                                              8- protected ,private
                                                                                               9- public , protected
```

```
Derived
                         class Derived:
                                                  Base
                                                             class Derived02:
class Base
                                                               int K:
                           int AL. Y, Z
 int X :
                                                              protected:
                          Protected:
Protected:
                                                               Int L; B, C
                           int B:
 int Y:
                                                              Public:
                          Public:
public :
                                                                int M;
                            Int C:
  int Z:
                                                              Derived 2 ( ..... ) {}
                            Derived (int a, int b, int c,
                             int a ,int b , int c) :...
                                                              int Fun ()
  Base (int x, int y, int z)
                             £ ..... }
                                                              E return K+ L
                      £ .... }
  int Fun ()
                             int Fun()
   & return
               X+V
                             Ereturn A + L
               YAL
                                     B+ V
               2:3
3;
                                                                        X+X
                                                                        Y+X
int Main ()
                                                                        Z ; 3 X
1
                                                             3;
                            3:
                                               Derivedo2 03
 Base O1;
                        Derived 02;
                                               03X = X
01. X = X
                        02.X = X
                                               03.4 = X
                                                                                                   1. Public , Public
                        02.Y = X
01.Y= X
                                               03.2 = X
                                                                                                   2. Protected, Protected
                        02.2=X
                                               03.A= X
01.7= ~
                        02.A=X
                                               03.B= X
                                                                                                   3. Private, Private
1:
                                               03.C=X
                        02.B= X
                                                                                                   4. Public, Private
                        02.0= 1
                                               03. K= X
                                                                                                   5. Protected, Public
                        2'
                                               03.L=X
                                                                                                   6- private , protected
                                               03.W = V
                                                                                                    7- private , public
                                                                                                    8- protected ,private
```

9- public ,protected

```
class Derived:
                                                 Base
                                                           class Derived02:
                                                                                     Dorived
class Base
                                                             Int K;
                           int A; , Y, Z
 int X :
                                                            protected:
                         Protected:
Protected:
                                                              int L; , B
                           int B:
 int Y:
                                                             Public:
                         Public:
public:
                                                               int M; , C
  int Z:
                                                            Derived 2 ( ..... ) []
                           Derived (int a, int b, int c.
                            int a , int b , int c):...
                                                             int Fun ()
  Base (int x, int y, int z)
                            £ .....}
                                                             E return K+ L
  int Fun ()
                            int Fun()
   E roturn
              X+V
                            [return A + L
                                                                      A++
              Y+L
                                     B+V
               2:30
                                     C+ L
3:
                                                                      X+X
                                    X+ X
                                    4. 0
                                                                      Y+X
int Main ()
                                                                       EBX
£
                                                            3:
                           3:
                                              Derivedo2 03
 Base O1;
                       Derived 02:
                                              X=XEO
01. X = X
                       02.X = X
                                              03,y = X
                                                                                                1. Public , Public
                       02.Y = X
01.Y= X
                                              03.2 = X
03.4 = X
                                                                                                 2. Protected, Protected
                       02.2=X
01.7= ~
                                              03.B= X
                       02.A=X
                                                                                                 3. Private, Private
1;
                                              03.C= L
                       02.B= X
                                                                                                 4. Public, Private
                       02.0= 1
                                              03. K= X
                                                                                                 5. Protected , Public
                       2'
                                              03.L=X
                                                                                                 6- private ,protected
                                              03.W = V
                                                                                               7- private ,public
                                              3;
                                                                                                  8- protected , private
                                                                                                  9- public ,protected
```

```
Derived
                                                          class Derived02:
                        class Derived:
                                               Base
class Base
E
                                                            int K; , B , Y , Z , C
                          int A:
 int X:
                                                           protected:
                         Protected:
Protected:
                                                            Int L:
                          int B, Y, Z
 int Y:
                                                           Public :
                        Public:
                                                             int M:
public:
                           int C;
 int Z:
                                                           Derived2 ( .... ) []
                           Derived (int a, int b, int c,
                           int a int b int c):...
                                                           int Fun ()
  Base (int x, int y, int E)
                                                           E roturn K+ L
  int Fan ()
                           int Fan()
   { return
              X+V
                           {return A+V
                                                                    A++
              Y+V
                                    B+V
                                                                    B+ 1
              飞13~
                                                                    C+V
3:
                                                                     x+x
                                    X + X
                                                                     4+
int Main ()
                                                                     王;}
                          3;
                                             Dertyedo2 03
 Base O1;
                      Derived 02;
                                             03.X = X
01. X = X
                      02X = X
                                             03.4 = X
                                                                                              1. Public , Public
01.Y= X
                      02.Y = X
                                             03.2 = X
                                                                                              2. Protected, Protected
                      02.2=X
                                             03.A= X
01.7= ~
                      02.A=X
                                                                                              3. Private, Private
                                             03.B=X
1;
                                             03.C=X
                      02.B=X
                                                                                              4. Public, Private
                      02.C=V
                                             03. K= X
                                                                                              5. Protected, Public
                                             03.L=X
                                                                                               6- private , protected
                                             03.W = L
                                                                                               7- private , public
                                                                                           8- protected ,private
                                                                                                9- public ,protected
```

```
class Derived02:
                                                                                   Derived
                        class Derived:
                                                Base
class Base
                                                            int K
                          int A:
 int X:
                                                           protected:
                         Protected:
Protected:
                                                             in+ L: , B, Y, C, Z
                          int B: Y
 Int Y:
                                                            Public :
                        Public:
public:
                                                             int M:
                           int C: . Z
                                                           Derived2 ( .... ) []
  int Z:
                           Derived (int a, int b, int c,
                           int a ,int b , int c) ....
                                                            int Fun ()
  Baso (int x, int y, int e)
                            {.....}
                                                            E roturn K+ V
  int Fon ()
                           int Fun()
                                                                    WI+
   { return
              X+V
                                                                     A++
                            Ereturn A+ V
              YHU
                                    B+ V
                                                                     B+0
              2:3
3;
                                                                     X+X
                                    X + X
                                                                     4+1
int Main ()
                                    7:3 L
                                                                     ZIIV
                           3:
                                             Derivedo2 03
 Base O1;
                       Derived 02;
                                             OBX = X
01. X = X
                       02X = X
                                             03.4 = X
                                                                                               1. Public , Public
01.Y= X
                       02.Y = X
                                             03.2 = X
                                                                                               2. Protected, Protected
                       02.2=2
                                             03.A= X
01.7= ~
                       02.A=X
                                                                                               3. Private, Private
                                             03.8" X
1;
                       02.B= X
                                             03.C=X
                                                                                               4. Public, Private
                       02.C= V
                                             03. K= X
                                                                                               5. Protected , Public
                       2
                                             03.L=X
                                                                                               6- private ,protected
                                             03.M = V
                                                                                                7- private ,public
                                                                                                8- protected ,private
                                                                                             g- public ,protected
```