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namespace Grila

{

delegate int NumberChanger(int n);

class TestDelegate

{

static int num = 10;

public static int AddNum(int p)

{

num += p;

return num;

}

public static int MultNum(int q)

{

num \*= q;

return num;

}

public static int getNum()

{

return num;

}

static void Main(string[] args)

{

//create delegate instances

NumberChanger nc;

NumberChanger nc1 = new NumberChanger(AddNum);

NumberChanger nc2 = new NumberChanger(MultNum);

//apelam metodele folosind delegates

nc1(25);

Console.WriteLine("Value of Num: {0}", getNum());

nc2(5);

Console.WriteLine("Value of Num: {0}", getNum());

nc = nc1;

nc += nc2;

//multicast

nc(5);

Console.WriteLine("Value of Num: {0}", getNum());

Console.ReadKey();

}

}

}

Variante raspuns:

a) Value of Num: 35

Value of Num: 175

Value of Num: 900

b) Value of Num: 25

Value of Num: 125

Value of Num: 875

c)Eroare la compilare

d) Value of Num: 35

Value of Num: 175

Value of Num: 875

Raspuns correct:a)

**Scurta explicatie:** Vom apela metoda AddNum pentru nc1, adunand valoare static num, dupa care vom apela metoda MultNum inmultind cu rezultatul precedent. Pentru nc vomm apela Metoda AddNum adunand valoare 5, dupa care MultNum inmultind 180 cu 5 si vom obtine rezultatul 900 pentru nc.