**Program:**

using System;

class Program

{

public static void Details(in int id1, Employee obj1, out Employee obj2, out int id2)

{

Console.WriteLine("ID 1: " + id1);

id2 = id1 + 250;

Console.WriteLine("ID 2: " + id2);

obj1 = new Employee();

obj2 = new Employee();

obj1.num = 30;

obj2.num = 40;

}

public static void Main(string[] args)

{

int temp1 = 100;

int temp2;

Employee emp1 = new Employee();

Employee emp2 = new Employee();

emp1.num = 500;

Details(temp1, emp1, out emp2, out temp2);

Console.WriteLine("Employee 2: " + emp2.num);

Console.ReadKey();

}

}

class Employee

{

public int num;

}

**Symbol Table for Main Method**

|  |  |  |  |
| --- | --- | --- | --- |
| Symbol | Address | Datatype | Initialized |
| temp1 | #001 | int | 1 |
| temp2 | #002 | int | 1 |
| emp1 | #003 | empty | 1 |
| emp2 | #004 | empty | 1 |

**Symbol Table for Called Method**

|  |  |  |  |
| --- | --- | --- | --- |
| Symbol | Address | Datatype | Initialized |
| id1 | #001 | int | 1 |
| id2 | #002 | int | 1 |
| obj1 | #005 | empty | 1 |
| obj2 | #004 | empty | 1 |

**ID and Address for Main and Called Methods**

|  |  |
| --- | --- |
| ID | Address |
| #001 | 0x001 |
| #002 | 0x002 |
| #003 | 0x011 |
| #004 | 0x012 |
| #005 | 0x013 |