

Day1 Assignments

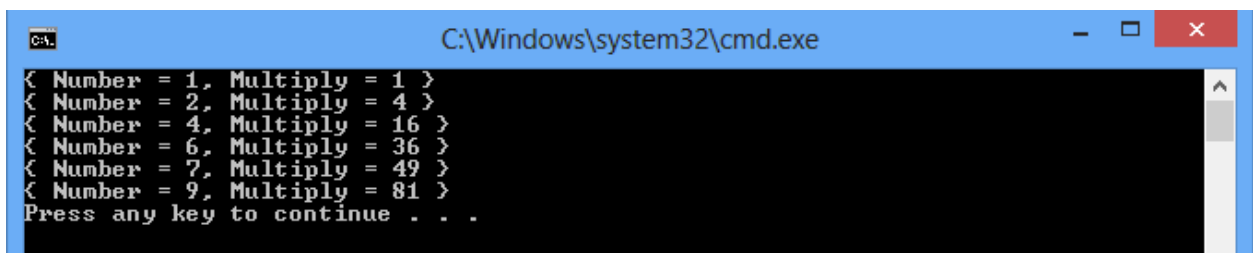
Using Console Application:

1- Declare a List of numbers as shown :

```
List<int> numbers = new List<int>() { 2,4,6,7,1,4,2,9,1};
```

show each number and it's multiplication as the following picture

o/p should be as follow:



```
C:\Windows\system32\cmd.exe
< Number = 1, Multiply = 1 >
< Number = 2, Multiply = 4 >
< Number = 4, Multiply = 16 >
< Number = 6, Multiply = 36 >
< Number = 7, Multiply = 49 >
< Number = 9, Multiply = 81 >
Press any key to continue . . .
```

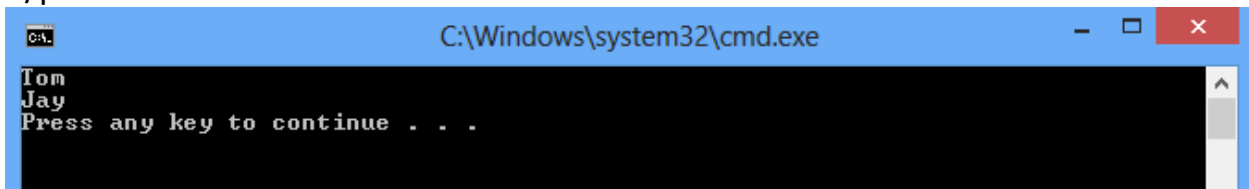
2- declare an array of names as shown :

```
string[] names = { "Tom", "Dick", "Harry", "MARY", "Jay" };
```

Then write the following queries:

Query1: Select names with length equal 3.

o/p should be as follow:



```
C:\Windows\system32\cmd.exe
Tom
Jay
Press any key to continue . . .
```

Query2: Display the names of query 1 with capital letters

3- Add **ADO Data Model Component** to your project and connect to **northwind** DataBase .Using **EF Designer form Database** choice and then select the following tables to convert into classes (Customers and Orders).

Then write the following queries:

a- Display all customer names (customer name is CustomerID coulmn)

```
C:\WINDOWS\system32\cmd.exe
ALFKI
ANATR
ANTON
AROUT
BERGS
BLAUS
BLONP
BOLID
BONAP
BSBEV
CACTU
CENTC
CHOPS
CONSH
DRACD
DUMON
EASTC
ERNSH
FISSA
FOLTC
```

b- Display all orders table as follow

```
C:\WINDOWS\system32\cmd.exe
OrderID = 10248, OrderDate = 7/4/1996 12:00:00 AM, CustomerID = }
OrderID = 10249, OrderDate = 7/5/1996 12:00:00 AM, CustomerID = TOMSP }
OrderID = 10250, OrderDate = 7/8/1996 12:00:00 AM, CustomerID = HANAR }
OrderID = 10251, OrderDate = 7/8/1996 12:00:00 AM, CustomerID = VICTE }
OrderID = 10252, OrderDate = 7/9/1996 12:00:00 AM, CustomerID = SUPRD }
OrderID = 10253, OrderDate = 7/10/1996 12:00:00 AM, CustomerID = HANAR }
OrderID = 10254, OrderDate = 7/11/1996 12:00:00 AM, CustomerID = CHOPS }
OrderID = 10255, OrderDate = 7/12/1996 12:00:00 AM, CustomerID = RICSU }
OrderID = 10256, OrderDate = 7/15/1996 12:00:00 AM, CustomerID = WELLI }
OrderID = 10257, OrderDate = 7/16/1996 12:00:00 AM, CustomerID = HILAA }
OrderID = 10258, OrderDate = 7/17/1996 12:00:00 AM, CustomerID = ERNSH }
OrderID = 10259, OrderDate = 7/18/1996 12:00:00 AM, CustomerID = CENTC }
OrderID = 10260, OrderDate = 7/19/1996 12:00:00 AM, CustomerID = OTTIK }
OrderID = 10261, OrderDate = 7/19/1996 12:00:00 AM, CustomerID = QUEDE }
OrderID = 10262, OrderDate = 7/22/1996 12:00:00 AM, CustomerID = RATTC }
OrderID = 10263, OrderDate = 7/23/1996 12:00:00 AM, CustomerID = ERNSH }
OrderID = 10264, OrderDate = 7/24/1996 12:00:00 AM, CustomerID = FOLKO }
OrderID = 10265, OrderDate = 7/25/1996 12:00:00 AM, CustomerID = BLONP }
OrderID = 10266, OrderDate = 7/26/1996 12:00:00 AM, CustomerID = WARTH }
OrderID = 10267, OrderDate = 7/29/1996 12:00:00 AM, CustomerID = FRANK }
```