//TIMES TABLE FUNCTION (doesn’t return value)

static void TimesTable(byte number)

{

WriteLine($"This is the {number} times table:");

for (int row = 1; row <= 12; row++)

{

WriteLine($"{row} x {number} = {row \* number}");

}

WriteLine();

}

static void RunTimesTable()

{

bool isNumber;

do

{

Write("Enter a number between 0 and 255: ");

isNumber = byte.TryParse(ReadLine(), out byte number);

if (isNumber)

{

TimesTable(number);

}

else

{

WriteLine("You didnt enter a valid number!");

}

}

while (isNumber);

}

static void Main(string[] args)

{

RunTimesTable();

}

static decimal CalculateTax(decimal amount, string twoLetterRegionCode)

{

decimal rate = 0.0M;

switch (twoLetterRegionCode)

{

case "CH":

rate = 0.08M;

break;

case "DK":

case "NO":

rate = 0.25M;

break;

case "GB":

case "FR":

rate = 0.2M;

break;

case "HU":

rate = 0.27M;

break;

case "OR":

case "AK":

case "MT":

rate = 0.0M;

break;

case "ND":

case "WI":

case "ME":

case "VA":

rate = 0.05M;

break;

case "CA":

rate = 0.0825M;

break;

default: //most of US States

rate = 0.06M;

break;

}

return amount \* rate;

}

static void RunCalculateTax()

{

Write("Enter an amount: ");

string amountInText = ReadLine();

Write("Enter a two-letter region code: ");

string region = ReadLine();

if (decimal.TryParse(amountInText, out decimal amount))

{

decimal taxToPay = CalculateTax(amount, region);

WriteLine($"You must pay {taxToPay} in sales tax.");

}

else

{

WriteLine("You didnt enter a valid amount!");

}

}

static void Main(string[] args)

{

RunCalculateTax();

}