# **Qns1**

int sum=0, duo, convert,digit,totalDigits=0;

Console.WriteLine("Please enter 16 digits card number: ");

string numbers = Console.ReadLine();

char[] array = numbers.ToCharArray();

Array.Reverse(array);

for (int i = 0; i < array.Length; i++)

{

convert = Int32.Parse(array[i].ToString());

if (i%2!=0)//even position

{

duo = convert \* 2;

while (duo > 9)

{

digit = duo % 10;

totalDigits = totalDigits+digit;

duo = duo / 10;

}

sum = duo + sum+totalDigits;

totalDigits = 0;

}

else

{

sum = convert + sum;

}

}

if( sum % 10==0)

{

Console.WriteLine("The card is valid.");

}

else

{

Console.WriteLine("The card is NOT valid.");

}

Qns2

int selected;

Console.WriteLine("Please enter 11 numbers: ");

string str = Console.ReadLine();

char[] ch = new char[str.Length];

selected = ch[0];

for (int i = 0; i < str.Length; i++)

{

ch[i] = str[i];

}

for (int i = 0; i < ch.Length; i++)

{

while (selected != ch[i])

{

selected = ch[i];

}

}

Console.WriteLine(selected);

Qns3