using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace Lab9

{

class Program

{

static void Main(string[] args)

{

int selection = 0;

do

{

Console.WriteLine(" MENU ");

Console.WriteLine("1) Stop word");

Console.WriteLine("2) 3th letters ");

Console.WriteLine("3) The number of characters of each word ");

Console.WriteLine("4) Parentheses");

Console.WriteLine("5) Phone keypad");

Console.WriteLine("6) Henry or not");

Console.WriteLine("7) Alliteratives ");

Console.WriteLine("8) All letters ");

Console.WriteLine("9) Majority character ");

Console.WriteLine("10) Anagram ");

Console.WriteLine("11) Shifts each word ");

Console.WriteLine("12) EXIT");

selection = Convert.ToInt32(Console.ReadLine());

switch (selection)

{

case 1:

string word = "";

do

{

word = Console.ReadLine();

word = word.ToLower();

} while (!word.Equals("stop"));

break;

case 2:

string str = "Bugün hava çok güzel";

for (int i = 0; i < str.Length; i += 3)

{

Console.Write(str.Substring(i, 1));

}

break;

case 3:

str = "Bugün hava çok güzel";

string[] words = str.Split(' ');

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

{

Console.Write(words[i].Length + " ");

}

break;

case 4:

str = "(a )b ((c) (((( d))";

int counter = 0;

bool flag = true;

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

{

if (str.Substring(i, 1).Equals("("))

{

counter++;

}

else if (str.Substring(i, 1).Equals(")"))

{

counter--;

}

if (counter < 0)

{

flag = false;

break;

}

}

if (counter > 0)

flag = false;

Console.WriteLine(flag);

break;

case 5:

Console.Write("Enter a word :");

string strWord = Console.ReadLine();

strWord = strWord.ToUpper();

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

{

char chr = Convert.ToChar(strWord.Substring(i, 1));

if (chr == 'A' || chr == 'B' || chr == 'C')

Console.Write("2");

else if (chr >= 68 && chr < 71)

Console.Write("3");

else if (chr >= 71 && chr < 74)

Console.Write("4");

else if (chr >= 74 && chr < 77)

Console.Write("5");

else if (chr >= 80 && chr < 83)

Console.Write("6");

else if (chr >= 86 && chr < 89)

Console.Write("7");

else if (chr >= 89 && chr < 92)

Console.Write("8");

else if (chr >= 92 && chr < 96)

Console.Write("9");

}

break;

case 6:

str = "Henry, you just won the lottery!!!";

str = str.Replace(".", "").Replace(",", "").Replace("!", "").Replace("?", "");

string[] kelimeler = str.Split(' ');

flag = true;

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

{

if (kelimeler[i].Length > 5)

{

flag = false;

break;

}

}

if (flag)

{

Console.WriteLine("Henry hears it");

}

else

{

Console.WriteLine("Henry ignores it");

}

break;

case 7:

str = "Alice’s aunt ate two apples and acorns around August";

str = str.ToLower();

str = str.Replace(".", "").Replace(",", "").Replace("!", "").Replace("?", "");

string[] wrds = str.Split(' ');

bool flg = true;

for (int i = 1; i < wrds.Length; i++)

{

if (!wrds[i].Substring(0, 1).Equals(wrds[0].Substring(0, 1)))

{

flg = false;

break;

}

}

Console.WriteLine(flg);

break;

case 8:

string alphes = "abcçdefgğhıijklmnoöprsştuüvyz";

str = "Bugün hava çok güzel. Deniz, kumsal ve güneş muhteşem olacak.";

str = str.ToLower();

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

{

bool control = false;

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

{

if (str.Substring(j, 1).Equals(alphes.Substring(i, 1)))

{

control = true;

break;

}

}

if (!control)

Console.Write(alphes.Substring(i, 1) + " ");

}

break;

case 9:

str = "ece ve eve deeeeeeeeeermişim";

str = str.ToLower();

Console.Write("Enter a letter: ");

string letter = Console.ReadLine();

letter = letter.ToLower();

int amount = 0;

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

{

if (str.Substring(i, 1).Equals(letter))

amount++;

}

if (amount > (str.Length / 2))

Console.Write("Yes");

else

Console.Write("No");

break;

case 10:

Console.Write("Enter the first word: ");

string word1 = Console.ReadLine();

word1 = word1.ToLower();

Console.Write("Enter the second word: ");

string word2 = Console.ReadLine();

word2 = word2.ToLower();

if (word1.Length != word2.Length)

{

Console.WriteLine("not anagram");

}

else

{

for (int i = 0; i < word1.Length; i++)

{

for (int j = 0; j < word2.Length; j++)

{

if (word1.Substring(i, 1).Equals(word2.Substring(j, 1)))

{

word2 = word2.Remove(j, 1);

word2 = word2.Insert(j, ".");

//word2 = word2.Substring(0, j) + "." + word2.Substring(j + 1);

}

}

}

word2 = word2.Replace(".", "");

if (word2.Length == 0)

{

Console.WriteLine("anagram");

}

else

{

Console.WriteLine("not anagram");

}

}

break;

case 11:

Console.Write("Enter a sentence : ");

string sentence = Console.ReadLine();

string[] \_words = sentence.Split(' ');

string output = "";

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

{

output = output + \_words[i].Substring(2) + \_words[i].Substring(0, 2) + " ";

}

Console.WriteLine(output);

break;

default:

break;

}

if (selection != 12)

Console.ReadLine();

} while (selection != 12);

}

}

}