WORKSHOP 7 – 8

Q1. (2 marks, file to be edited: Q1.c)

Your program allows enter of a string ‘s’ with maximum size 100 characters from the keyboard. Then enter a character ‘c’ to find in the string ‘s’.

Prints the indexes of this character in the string 's' if exists. Otherwise, print “**c** not exist”

```
Hello World
l

OUTPUT:
2 3 9
Press any key to continue . . .
```

```
Hello World
b

OUTPUT:
b not exist
Press any key to continue . . .
```

Q2. (2 marks, file to be edited: Q2.c)

Your program allows enter a string ‘s’ from the keyboard, the string ‘s’ contains only alphabet characters and does not include space characters.

Print the string ‘s’ after sorting in ascending order of the characters in the alphabet.

```
helloworld

OUTPUT:
dehlllloorw
Press any key to continue . . .
```

Q3. (2 marks, file to be edited: Q3.c)

Your program allows enter a string ‘s’ from the keyboard.

Convert the first character in each word to uppercase. A word consisting of characters that do not contain spaces.

Print results to the screen

```
welcome to fpt university

OUTPUT:
Welcome To Fpt University
Press any key to continue . . .
```

Q4. (2 marks, file to be edited: Q4.c)

Your program allows enter of a string ‘s’ with maximum size 100 characters from the keyboard.

Print out the number of characters that are vowels to the screen

```
hello world

OUTPUT:
3
Press any key to continue . . .
```

Q5. (2 marks, file to be edited: Q5.c)

Your program allows enter of a string ‘s’ with maximum size 100 characters from the keyboard.

Print out the number of words starting with 2 letters “ab”. A word consisting of characters that do not contain spaces.

```
abc acb aaa ab abc

OUTPUT:
3
Press any key to continue . . .
```