



Introduction to Python Language

Application 05- File Handling

1. Suppose that you have a file named example1.txt including following sentence: 'Constantinople 1453 Istanbul'

Using a for loop, read each line from the file. Then, using another for loop, read each word from the line by splitting it using a space (' '). Display each word from each line in the text file.

```
# Python program to read
# file word by word

# opening the text file
with open('example1.txt', 'r', encoding='utf-8') as file:
    # reading each line
    for line in file:
        # reading each word
        for word in line.split():
            # displaying the words
            print(word)
```

```
Constantinople
1453
Istanbul
```

2. Let's suppose the text file contains more a word 'İstanbul'. We want an output written as character by character in new lines.

```
# Python program to read
# file character by character

# opening the text file
file=open('example2.txt','r',encoding='utf-8')
while 1:
    char=file.read(1)
    if not char:
        break
    print(char)
file.close()
```

```
i
s
t
a
n
b
u
l
```

3. Let's suppose the text file contains more a word 'İstanbul'. Write a program that reads 2 character at a time.

```
# Python program to read
# file 2 character at a time

# opening the text file
with open('example2.txt', 'r', encoding='utf-8') as file:
    while 1:
        c=file.read(2)
        if not c:
            break
        print(c)
```

```
İs
ta
nb
ul
```