

SE 3313 Software Design and Architecture

Adapter Pattern

Week 9

1 Context

An Adapter pattern acts as a connector between two incompatible interfaces that otherwise cannot be connected directly. An Adapter wraps an existing class with a new interface so that it becomes compatible with the client's interface.

2 Problem description

In this work, you will manage a printer room. There are two printers in the printer room, one char printer and the other one for char array. Depending on the printer selected, the job will either be printed in char or according to the limit, such as a char buffer.

3 Measure of success

```
run:
Enter your text:
AybukeKececi
Enter printer type:
char
Printing...
A
y
b
u
k
e
K
e
c
e
c
i
BUILD SUCCESSFUL (total time: 18 seconds)
```

```
run:
Enter your text:
AybukeKececi
Enter printer type:
buffer
Printing...
Ayb
uke
Kec
eci
BUILD SUCCESSFUL (total time: 8 seconds)
```