

COMP2012/2608: Unix Operating Systems

Practical 2

Basic C Programming

1. Write a Program that reads integers from the input stream and calculates their sum. Blank lines are ignored. When the program reaches the end of the input stream it prints the sum.

Example:

```
./summator
```

```
12
```

```
15
```

```
6
```

```
Ctrl-D
```

```
The total is 33
```

2. Write a Program the reads the decimal digits from keyboard and prints them using '*' characters. Non-digits are ignored.

Example:

```
./printdigits
```

```
12
```

```
+          +
+          +
+++++++
+
+
```

```

+           +
+ +           +
+ +           +
+   +           +
+     +           +
+       +++++

```

1

```

+           +
+           +
+++++
+
+

```

Ctrl-D