```
bridge/ style = {thick, double = yellow,
        double distance = 1pt},
nodes/ style = {font=\ttfamily\bfseries, text=white,
        draw, fill = red}]

\begin{document}
\begin{tikzpicture}
 \node[vertex] (A) {A};
 \node[vertex, right = 4 cm of A] (B) {B};
 \draw A) edge [bridge] node [number] {1} (B);
 \node[vertex, below = 2cm of A] (C) {C};
 \node[vertex, above = 2cm of A] (D) {D};
 \tikzset{bridge/.append style = {bend right}}
 \draw (C) edge [bridge] node [number] {1} (B);
    (A) edge [bridge] node [number] {1} (D);
    (C) edge [bridge] node [number] {4} (A);
    (A) edge [bridge] node [number] {1} (C);
    (A) edge [bridge] node [number] {4} (D);
    (D) edge [bridge] node [number] {7} (A);
\end{tikzpicture}
\end{document}
```

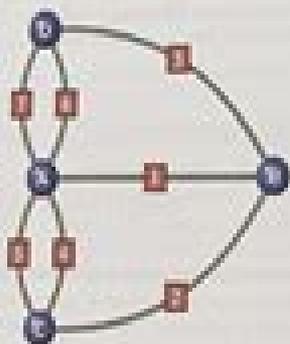When you compile the document, you will get the following comprehensive graph:

Figure 1.6 – A graph for the Seven Bridges of Königsberg problem

# Using footnotes

As briefly mentioned in *Chapter 2, Formatting Text and Creating Macros*, LaTeX provides a command to typeset footnotes. Let's see it in action.

Let's go back to the very first example of this chapter. We shall insert one footnote to the body text and one in a section heading.

1. Modify the example inserting a footnote, as shown in the highlighted line:

```
\documentclass[a4paper,12pt]{book}
\usepackage[english]{babel}
\usepackage{blindtext}
\begin{document}
\chapter{Exploring the page layout}
In this chapter we will study the layout of pages.
\section{Some filler text}
\blindtext
\section{A lot more filler text}
More dummy text\footnote{serving as a placeholder}
will follow.
\subsection{Plenty of filler text}
\blindtext[10]
\end{document}
```

2. Compile the code to see how the footnote looks in print.

## 1.2    A lot more filler text

More dummy text[1] will follow.

### 1.2.1    Plenty of filler text

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like "Huardest gefburn"? Kjift – not at all! A blind text like this gives you information about the selected font,

---
[1] serving as a placeholder

Figure 3.7 – Text with a footnote

# Graphics With Tikz Tex

**George A. Duckett**

**Graphics With Tikz Tex:**

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