

# HO-17: Querying Diamonds with XPath

You have been given the following XML file:

```
<?xml version="1.0" encoding="UTF-8"?>
<packets>
  <packet code="PK1240">
    <cut>Emerald</cut>
    <colour>F</colour>
    <clarity>Flawless</clarity>
    <caratweight>1.00</caratweight>
    <price>2550.00</price>
  </packet>
  <packet code="FR4587">
    <cut>Princess</cut>
    <colour>D</colour>
    <clarity>Flawless</clarity>
    <caratweight>15.00</caratweight>
    <price>3000000.00</price>
  </packet>
</packets>
```

Filename: packets.xml

Extend the above file by adding two more diamonds of your choice.

Find the following expressions:

- a) Find all the diamonds that have an Emerald cut.
- b) Find all the different colours that are shipped as part of the batch of diamonds.
- c) Find all the diamonds that are valued in excess of £1,000,000.
- d) Find the price of the diamond that has a packet code of PK1240.
- e) Find all the codes that are part of the shipped batch of diamonds.